



NINETEENTH YEAR, No. 6.

MILWAUKEE, JUNE, 1894.

\$1.00 per Year. 10c. per Copy.

NOW IS THE TIME TO BUY FEED ROLLS.

WRITE FOR PANIC PRICES ON

Our Style N Six Roll Feed Mills.

FULLY WARRANTED.

THOROUGHLY RELIABLE.

Solid Iron Frame.

Standard Rolls.

Superior Adjustments.

Noiseless Gears.

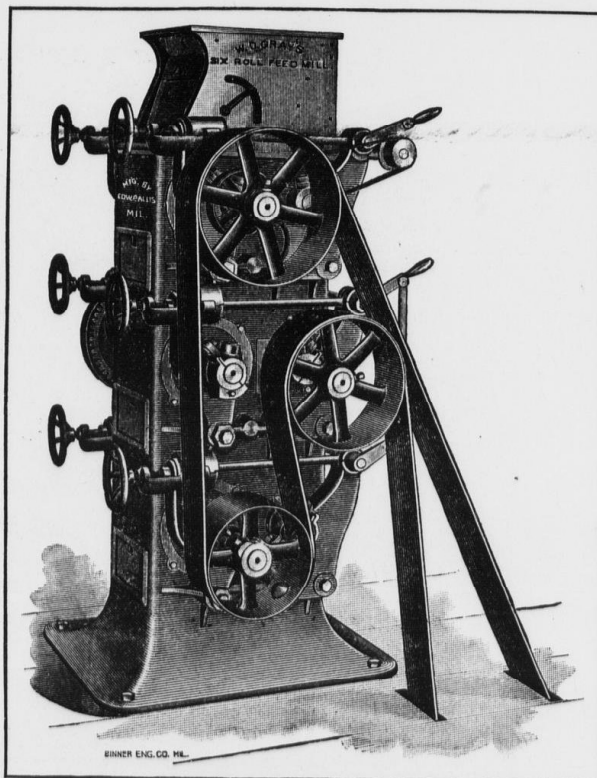
For capacity, quality of work, strength, durability, convenience and all other desirable qualities going to make up the perfect feed mill, it is without an equal.

MADE IN THREE SIZES:

9x14

9x18

9x24



IT FILLS THE BILL.

Spring Valley, Minn., }
Oct. 26, 1893. }

To the Edward P. Allis Company,
Milwaukee, Wis.

Dear Sirs: I have the new style N six roller mill at work, and I just want to say that it comes the nearest to a perfect mill for grinding meal and feed of anything I ever saw. The gears are the quietest running of any I ever saw. In fact they do not make any noise at all. I am more than satisfied.

Yours truly,

T. O. KILBURN.

ALSO TWO BREAK FEED MILLS AND A FULL LINE OF GENERAL FLOUR MILL MACHINERY.

COMPLETE FLOUR MILLS BUILT UNDER CONTRACT.

The Edw. P. Allis Company,

RELIANCE WORKS.

MILWAUKEE, WIS.

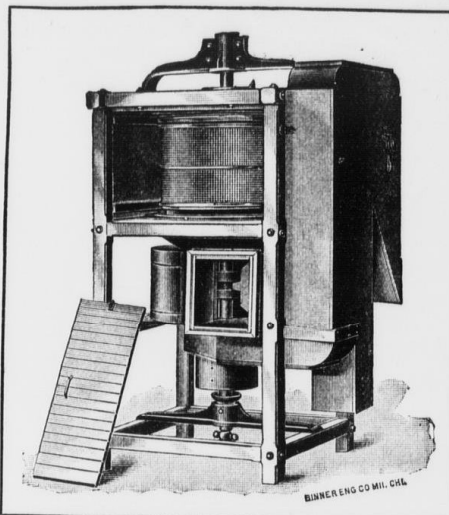
WHY? BECAUSE

IT IS WORTHY YOUR CONSIDERATION IF YOU ARE PROGRESSIVE AND WILL HAVE
THE BEST IN THE MARKET.

IT IS THE MOST
Perfectly Ventilated.

It will DISCHARGE all DIRT and SCREENINGS. You will not be obliged to put in a rolling screen or other device, to take out the

DUST AND DIRT.



IT WILL NOT
Break any Wheat.

It is built of the best steel, iron and wood that can be procured, and in the strongest manner possible. All parts can be easily and

CHEAPLY RENEWED.

IT WILL SCOUR SMUTTY WHEAT PERFECTLY.

WE GUARANTEE THIS MACHINE IN EVERY RESPECT.

PROVOST MANUFACTURING COMPANY
MENOMINEE, MICH.

EXPORTING MILLERS

Send for copy of the New Edition of the

Riverside . . . Cable Code

More copies of this work are in actual use to-day than of all other Flour Cable Codes combined.

PRICE OF SINGLE COPY, \$3.00

A proper discount will be made to parties ordering one dozen or more.

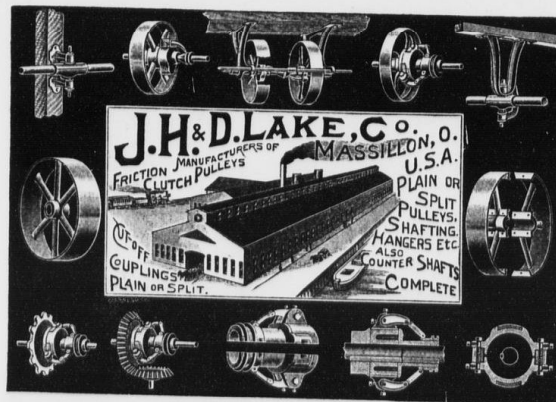


ADDRESS ALL ORDERS TO

Riverside Printing Company,
MILWAUKEE, WIS., U. S. A.

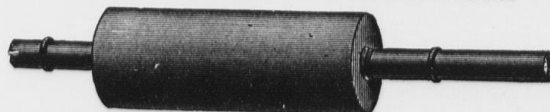
Send for circular, giving scope of the work and names of many prominent firms using it, in America and Foreign Countries.

Don't forget to mention this paper when you write.



FARREL FOUNDRY & MACHINE COMPANY,
ANSONIA, CONN.

Sole Manufacturers of the Celebrated



ANSONIA * ROLLS
FOR USE IN ROLLER MILLS.

The general experience of American Millers unites in pronouncing these Rolls the very best for Flouring Mill use.

• • These Rolls are now used in all Leading Flouring Mills. • •

CHILLED ROLLS FOR PAPER MILLS A SPECIALTY.



NINETEENTH YEAR, No. 6.

MILWAUKEE, JUNE, 1894.

\$1.00 per Year. 10c. per Copy.

VALIDITY OF WAREHOUSE LAWS.

IN the thirteenth article of the constitution of the State of Illinois, adopted in 1870, all elevators or storehouses where grain or other property is stored for a compensation, whether the property be kept separate or not, were declared to be public warehouses, and it was made the duty of the general assembly to pass all necessary laws to give full effect to that article of the constitution. By an act approved April 25, 1871, and entitled "An act to regulate public warehouses and the warehousing and inspection of grain, and to give effect to article 13 of the constitution of the state," the legislature of Illinois provided that those who conducted such public warehouses located in cities containing not less than 100,000 inhabitants, should procure licenses and should give bond conditioned for compliance with the law, prescribed maximum rates for storing and handling grain, and declared certain penalties for the failure to procure licenses. The validity of this law was upheld by the Supreme Court of Illinois. And that judgment was affirmed by the U. S. Supreme Court.

In June, 1888, the legislature of the State of New York passed an act entitled "An act to regulate the fees and charges for elevating, trimming, receiving, weighing, and discharging grain by means of floating and stationary elevators and warehouses in this State," whereby maximum charges were fixed for elevating, receiving, weighing and discharging grain, when the business was carried on in a city containing 130,000 inhabitants or upwards, and penalties imposed for disregard of the provisions of the statute. The owner of an elevator in the city of Buffalo was indicted, found guilty and sentenced in the Superior Court of Buffalo, for exacting charges for elevating grain in excess of the statutory rates. An appeal was taken to the Court of Appeals of the State of New York, which affirmed the judgment of the Superior Court of Buffalo.

The legislature of the State

of North Dakota, by an act approved March 7, 1891, and entitled "An act to regulate grain warehouses and the weighing and handling of grain, and defining the duties of the railroad commissioners in relation thereto" enacted, in the fourth section thereof, that "all buildings, elevators or warehouses in this state, erected and operated, or which may hereafter be erected and operated by any person or persons, association, co-partnership, corporation or trust, for the purpose of buying, selling, storing, shipping, or handling grain for profit, are hereby declared public warehouses, and the person or persons, association, co-partnership, or trust, owning or operating said building or buildings, elevator or elevators, warehouse or warehouses, which are now or may hereafter be located or doing business within this state, as above described, whether said owners or operators reside within this state or not, are public warehouse-men within the meaning of this act, and none of the provisions of this act shall be construed so as to permit discrimination with reference to the buying, receiving and handling of grain of standard grades, or in regard to parties offering such grain for sale, storage, or handling at such public warehouses, while the same are in operation." And in the fifth section: "That the proprietor, lessee, or manager of any public warehouse or elevator in this state shall file with the railroad commissioners of the state a bond to the state of North Dakota, with good and sufficient sureties, to be approved by said commissioners of railroads, in the penal sum of not less than \$5,000 nor more than \$75,000, in the discretion of said commissioners, conditioned for the faithful performance of duty as public warehouse men, and a compliance with all the laws of the state in relation thereto." The charges for storing and handling of grain shall not be greater than the following schedule: For receiving, elevating, insuring, delivering, and twenty days' storage, two cents per bushel. Storage rates after the first twenty days, one-

half cent for each fifteen days or fraction thereof, and shall not exceed five cents for six months. The grain shall be kept insured at the expense of the warehouse-men for the benefit of the owner." And by the twelfth section it is provided that: "Any person, firm or association, or any representative thereof, who shall fail to do and keep the requirements as herein provided, shall be deemed guilty of a misdemeanor, and shall, on conviction thereof, be subject to a fine of not less than two hundred dollars nor more than one thousand dollars, and be liable in addition thereto to imprisonment for not more than one year in the state penitentiary, at the discretion of the court." In October, 1891, in the district court of the second judicial district of the state of North Dakota, the validity of this statute was sustained; and the judgment of that court was, on error, duly affirmed by the supreme court of the state.—14 U. S. Supreme Court, Rep. 860.

REVIEW OF TRADE.

The following special telegram to the Chicago Inter Ocean, dated New York, June 15. *R. G. Dunn & Co's Weekly Review of Trade* says: "The strike of bituminous coal miners will end Monday wherever the authority and advice of the general organization can end it, and there is little room to doubt that the coal famine will then begin to abate. Some time must elapse, however, before supplies of fuel will enable all works to resume that have no other reason for suspending production. The actual output of pig iron for the week ending June 1, was only 62,517 tons, against 126,792 for that ending April 1, and 174,029 a year ago, but the reduction of 248,552 tons in unsold stocks indicates that a quantity nearly double the output has been taken for consumption.

"Wheat is only a fraction higher, the exports and ordinary consumption for the year having already exceeded the government estimate of last year's crop by 124,000,000 bushels. Western receipts for the week have been 1,474,404 bush-

els, against 2,101,974 last year, and Atlantic exports were only 908,996 bushels, against 2,223,087 last year. Cotton has yielded a fraction, and the report of acreage by the *Financial Chronicle* indicates an increase of 2.06 per cent with prospects decidedly more favorable than a year ago.

"While business is narrow, it is comparatively free from losses by failure, for the liabilities reported in failures for the first week of June were only \$2,507,228, of which \$476,118 was of manufacturing and \$1,872,261 of trading concerns. The aggregate liabilities thus far reported in failures in May were only \$13,514,760, of which \$5,146,025 was of manufacturing and \$6,912,302 of trading concerns. The number of failures this week has been 232 in the United States against 313 last year and forty in Canada against thirty-four last year.

Bradstreet's tomorrow will say: "An examination of recent statistics regarding available supplies of wheat in the United States in this and preceding years points to the probability of the United States having at least 140,000,000 bushels of wheat available for export for the year ending July 1, 1895 compared with about 168,000,000 bushels exported in the preceding twelve months, 186,000,000 in 1892-93, and 225,000,000 in 1891-92. Exports of wheat (flour included as wheat), both coasts, United States and Canada, amount to 2,254,000 bushels this week, against 2,742,000 last week, 3,834,000 in the second week of June last year, 3,336,000 bushels in 1892, and 2,398,000 in 1891."

GRAIN EXPORT DULL.

No Charters for San Francisco Ships to Europe.

Reports from ship owners and brokers to San Francisco state that there never was a time when there was less demand for grain tonnage than there is at the present moment. The last ship for spot loading, 1893 crop, sailed on May 23, and since that time there have been no charters issued for immediate loading, though there is some demand for tonnage for the coming crop.

The grain carrying trade

from San Francisco around Cape Horn to European ports is usually very large. The crop grown in California, Washington, Oregon and Idaho is shipped in this way, while grain grown farther east is sent to Chicago and thence to New York and to Europe by steamers. From no port in the United States is there a larger carrying trade when sailing vessels are employed than San Francisco, and the fact that no charters have been issued this month for grain is very unusual.

This state of affairs is attributed to the lack of European demand, the nearness of the new crop and the fact that Argentine is unquestionably cutting deeply into American grain export business. The present prices are said to be above the export limit, although there is a large wheat surplus, and no offers for round lots for export can be obtained at 87½ cents. The crop is early in California and will begin to move about the middle of July, and this movement usually lasts until September.

The stock of breadstuffs remaining in California on June 1, 1894, was: Wheat, 1,032,398 cts., and flour, 708,047 quarter sacks. Reducing the flour to wheat and all to tons we find the stock of wheat remaining in California, June 1, to be 78,171 tons. In dull years like the present it is usual to have a much larger invisible supply than in years when the price brings out the holdings. And on this theory the invisible supply on the Pacific coast is doubtless sufficient to bring the crop of 1893 up to the full average. The entire California crop for 1893 is estimated at 975,792 tons; for 1892 it was 1,007,876 tons, and for 1891, 1,008,489 tons. There are cargoes for a large fleet of vessels, but trade is at a standstill.—*Commercial Bulletin*, June 19th.

EXPORT OF BREADSTUFFS FOR MAY.

The following from the Bulletin of the U.S. Bureau of Statistics, shows the amount and value of domestic breadstuffs exported from all American ports during the month of May, 1894, as compared with the same month, 1893:

	1894.		1893.	
	Bush.	Value.	Bush.	Value.
Barley.....	26,798	\$ 15,170	161,067	\$ 75,856
Corn.....	3,690,753	1,669,231	5,411,331	2,751,587
Oats.....	47,419	18,610	726,738	290,917
Rye.....			106,627	72,968
Wheat.....	5,891,797	3,072,531	9,353,318	7,399,823
Total.....	9,556,689	\$5,375,522	15,738,081	\$10,501,151

There were also exported during the month of May, 1894:

30,786 bbls. Corn Meal valued at \$ 80.50	
1,067,411 lbs. Oat Meal " " 30.548	
1,306,355 bbls. Wheat Flour, " " 5.374,872	

Total decrease in Breadstuffs under May, 1893, \$5,482,109.

WORLD'S WHEAT AND FLOUR SUPPLY.

Compiled for Europe by the *Liverpool Corn Trade News*, and for America by the *Daily Trade Bulletin*, Chicago, and the *Market Record*, Minneapolis.

The following table exhibits the approximate available supply of breadstuffs in second hands in the principal countries of Europe, with the quantities afloat for the United Kingdom and Continent on the dates named.

AVAILABLE STOCKS IN EUROPE.	
	June 1, 1894. June 1, 1893.
	Bushels. Bushels.
Afloat for United Kingdom.....	12,700,000 12,800,000
Afloat for Continent.....	11,900,000 12,700,000
Afloat for orders.....	23,400,000 22,500,000
Total afloat.....	48,000,000 48,000,000
In store, United Kingdom.....	19,100,000 20,600,000
In store, France.....	14,600,000 7,800,000
In store, other countries.....	5,800,000 4,800,000
In store, Russia.....	11,200,000 11,400,000
Total European supplies.....	98,500,000 92,600,000

APPROXIMATE AVAILABLE STOCKS IN AMERICA.

The following table exhibits the approximate visible supply of flour and wheat in the United States and Canada:

	June 1, 1894. June 1, 1893.
	Bushels. Bushels.
Flour in Canada—equal.....	497,000 618,000
Flour in U. S.—east.....	7,620,000 10,012,000
Flour in U. S.—west.....	392,000 400,500
Wheat in Canada.....	6,498,000 6,960,000
Wheat in U. S.—east.....	73,212,000 90,955,800
Wheat in U. S.—west.....	8,951,000 3,062,000
Total.....	37,263,000 112,439,000

WINTER WHEAT YIELD.

The *Modern Miller* gives the prospective yield of winter wheat by States, compared with the harvest of 1893, as follows:

	1894. 1893.
Ohio.....	36,500,000 38,917,000
Michigan.....	17,250,000 19,071,000
Indiana.....	30,000,000 35,579,000
Illinois.....	14,400,000 15,507,000
Missouri.....	12,500,000 15,288,000
Kansas.....	25,000,000 29,164,000
Kentucky.....	8,000,000 10,584,000
Tennessee.....	6,500,000 7,413,000
New York.....	6,000,000 6,846,000
New Jersey.....	1,500,000 1,794,000
Pennsylvania.....	17,500,000 18,351,000
Delaware.....	1,500,000 1,462,000
Maryland.....	7,000,000 6,722,000
Virginia.....	6,700,000 8,681,000
West Virginia.....	4,300,000 4,578,000
North Carolina.....	5,900,000 5,938,000
South Carolina.....	500,000 957,000
Georgia.....	1,500,000 1,730,000
Alabama.....	600,000 393,000
Mississippi.....	50,000 27,000
Texas.....	5,000,000 4,533,000
Arkansas.....	1,500,000 1,700,000
California.....	16,900,000 14,852,000
Oregon.....	12,500,000 10,791,000
Oklahoma & Ind. Ter.....	12,000,000 8,300,000
Nebraska and Iowa.....	4,200,000 6,000,000
Total.....	253,500,000 296,001,000

*Modern Miller compilation. Other state yields are given as reported by the statistician of the Department of Agriculture.

†That portion of Nebraska and Iowa producing winter wheat.

We therefore suggest that millers and grain merchants may reasonably expect to have the following stated amount of wheat with which to engage their attention for the twelve months following July 1:

Winter wheat, 1894 yield.....	253,500,000
Spring wheat, 1894 yield.....	10,000,000
Visible and invisible supply.....	105,000,000
Total.....	468,500,000
Home requirements.....	350,000,000
Estimated exportable surplus.....	118,500,000

FLOUR AND WHEAT IN CALIFORNIA.

The following from the statement issued by the San Francisco Produce Exchange shows the amount of flour and wheat remaining in the state of California on June 1st 1894.

	Flour Bbls.	Wheat Ctls.
San Francisco and Oakland Wharf, including grain and flour afloat in harbor and in transit.....	18,810	380,540
Sonoma, Humboldt, Napa, Solano, Yolo, Colusa and Glenn Counties.....	5,420	781,785
San Joaquin, Stanislaus, Merced, Fresno, Madera, Butte, Placer and Tehama Counties.....	17,255	360,555
Contra Costa and Alameda Counties.....	1,000	3,855,065
San Joaquin, Stanislaus, Merced, Fresno, Madera, Tulare, Kings and Kern Counties.....	19,010	1,347,890
San Mateo, Santa Clara, San Benito, Santa Cruz, Monterey and San Luis Obispo Counties.....	14,320	859,305
Santa Barbara, Ventura, Los Angeles, Orange, San Bernardino, Riverside and San Diego Counties.....	4,495	60,950
Totals.....	80,310	7,646,090

COMPARATIVE STATEMENT.

	Flour Bbls.	Wheat Ctls.
December 1st, 1893.....	99,031	14,231,419
June 1st, 1894.....	83,337	4,485,223
December 1st, 1892.....	92,024	12,153,772
June 1, 1892.....	120,517	2,100,119

THE VIENNA WHEAT ESTIMATES.

The Chamber of the Vienna Corn Exchange has resolved that the International Corn Market, which has been held in Vienna for twenty-one consecutive years, shall cease to exist from the year 1894. The reasons given for this important resolution are that the visitors to the International Corn Market were made the butt of insults and scorn by the anti-Semitic party in Vienna, which went so far on January 30th last as to call upon the population to rob the visitors to the International Corn Market of the ill-gotten money with which they stuffed their pocket-books.

The Chamber of the Corn Exchange is unable to prevent the repetition of such scandalous proceedings while the visitors to the Corn Market would be in Vienna, and does not see how they could be protected from insults. The Government has expressed its sincerest regret that an institution from which Austria, and Vienna especially, has always derived the greatest advantages, should thus disappear. But neither the Government nor the Mayor and Town Council, nor the President of the Diet, have undertaken anything to stop the violent doings of the anti-Semitic party. The International Corn Market attracted to Vienna from five to six thousand people, generally wealthy merchants, who, while they were doing business, gave extensive orders for all kinds of goods before they returned home. Their not coming will be a very sensible loss to the Vienna trade. The real importance of the International Corn Market of Vienna consisted in the reports on the harvests which it received from

all parts of the globe, and which being conscientious and exact, were a most useful contribution to the world's statistics of harvests. The resolution to give up the International Corn Market was voted for by all but two members of the Chamber of the Corn Exchange.—*Vienna correspondence London Economist*.

WILL BOYCOTT THEIR FLOUR.

The Washburn-Crosby Co. Under the Ban.

A special telegram to the *Pioneer Press*, dated Chicago, June 15, says: Sensation followed sensation in the fourth day's session of the general convention of the American Railway union to-day, the principal feature being the sanction given by the unanimous vote of the convention to boycott the product of the Washburn-Crosby Co. in Minneapolis.

Early in the afternoon session there came up in the report of the committee on resolutions the official response of the convention to the long letter addressed to it by the local assembly of the Knights of Labor in Minneapolis, which has the matter of boycotting the Washburn-Crosby product more particularly in hand. The resolution reads in part as follows:

Resolved, That we endorse said boycott and recommend that all trade unions be informed of this action and boycott and urge that everything possible be done to make the boycott effective.

The resolution was passed without a dissenting vote, and one delegate arose to ask for information. "Mr. President," he inquired, "are we as railroad men to refuse to handle the product of this mill?"

"That is a question for your local union to decide," Mr. Debs answered, "You are to do everything in your power to decrease the sale of these goods."

Last autumn the Washburn-Crosby Company set a number of men, who had recently been organized by the Knights of Labor, to work putting flour in sacks for transportation at a much lower figure than was given the barrels of the product, alleging the small amount of skill required for getting flour into bags and tying them up in comparison with heading up a barrel. The men struck and their places were filled immediately with non-union men, who are still at work. This determination to boycott the thousands of barrels that are made daily by the Washburn-Crosby Company means the side tracking of cars all over the country wherever a local union sees fit to uncouple trains and forbodes a general disturbance of a serious nature.

SEND for a copy of the new edition of the "Riverside Cable Code." Address, Riverside Printing Co., Milwaukee, Wis.

ORGANIZATION OF MILLERS IN THE UNITED STATES.

THE MILLERS' NATIONAL ASSOCIATION.

President—C. B. COLE, Chester, Ill.
 1st Vice-President—A. C. LORING, Minneapolis, Minn.
 2d Vice-President—B. F. ISENBERG, Huntingdon, Pa.
 Treasurer—S. H. SEAMANS, Milwaukee, Wis.
 Secretary—FRANK BARRY, Milwaukee, Wis.

BOARD OF DIRECTORS.

D. S. Shellabarger, Decatur, ILLINOIS.
 C. R. Underwood, Salina, KANSAS.
 P. H. Macgill, Baltimore, MARYLAND.
 *W. A. Coombs, Coldwater, MICHIGAN.
 *Chas. J. Martin, Minneapolis, MINNESOTA.
 C. C. White, Crete, NEBRASKA.
 *Geo. Urban, Jr., Buffalo, NEW YORK.
 Homer Baldwin, Youngstown, OHIO.
 W. Latimer Small, York, PENN'A.
 *S. H. Seamans, Milwaukee, WISCONSIN.
 *Members of Executive Committee.

OFFICERS OF STATE ASSOCIATIONS.

President, E. C. Kreider, Jacksonville.
 Secretary, C. H. Seybt, Highland.
 President, E. A. Colburn, McPherson.
 Secretary, C. V. Topping, Enterprise.
 President, P. H. Macgill, Baltimore.
 Secretary, J. O. Norris, Baltimore.
 President, W. B. Knickerbocker, Albion.
 Secretary, M. A. Reynolds, Lansing.
 President, F. L. Greenleaf, Minneapolis.
 Secretary, O. A. Cooper, Humboldt.
 Secretary, L. H. Harris, Bennett.
 President, A. R. James, Buffalo.
 Secretary, H. F. Shuttleworth, Buffalo.
 President, M. H. Davis, Shelby.
 Secretary, L. C. Miles, Akron.
 President, Cyrus Hoffa, Lewisburgh.
 Secretary, L. E. Levan, Lancaster.
 President, E. J. Lachman, Neenah.
 Secretary, L. K. Hurd, Milwaukee.

Associations.

THE MILLERS' NATIONAL ASSOCIATION.

THE Eighteenth Annual Convention of the "Millers' National Association" was held at the Grand Pacific Hotel, Chicago, on June 13th, with a fair attendance. President C. B. Cole of Chester, Ill., presiding. Mr. Cole in his address said:

Gentlemen of the Convention:
 The past year has been one that will be noted in history as presenting the culminating effects of bad legislation. All kinds of business has been at a standstill, or run on the most meagre productions and conservative basis. Our business has not escaped the general depression, but has had to contend with the situation at home and compete with the world on the lowest scale of prices on record. With low wheat and a fair field, we should be able to put wheat bread into the mouths of millions who rarely, if ever, eat such food.

The fair field, by reason of high protective tariffs imposed by certain European countries, is wanting, and if this discrimination could be removed, it should open markets that would take a very large proportion of our surplus, and it is extremely fortunate that we cannot start such a trade on the present low prices.

He who demands equity, must do equity; this we have failed to do, nor can we expect them to cast the mote out of their eye, while we have a whole lumber yard in ours. The efforts of local Millers' Associations as well as our own, has shown that at this time such relief as we seek is next to impossible, though the agitation and education may some day bear fruit. Reciprocity to benefit the miller to its full limit, must be arranged with the manufacturing countries of Europe.

The millers of the United States should demand this, as a matter of right and justice to one of the great industries of the nation, that has had no benefit of the protective legislation given other manufacturers. How to secure this concert of action is the problem to be solved. Local interests require local organizations and can best be dealt with in this way, but national questions must be handled by the millers as a whole, as near as possible. There is no reason why such an organization cannot of age, prestige, past achievement and present work, is not the proper and logical foundation for such an organization. Every one knows what it has done and the reports of your officers will inform you what it is now doing. All complaints come from the outside, as members are satisfied; they continue their allegiance and to fight battles that result in general good. If those outside are in earnest in their desire for more active and aggressive organization, let them join, and by the increased numbers give it the weight and influence it is sure to have and improve its management by the election of officers who will fill the ideas of capability. So long as American millers will allow themselves to be led by croakers, sore heads and the selfish and unscrupulous press, will they be divided and accomplish nothing in the way of national legislation. With an organization such as they should have they should secure all reasonable demands. I recommend that you take action endorsing the proposed amendments to the Inter-State Commerce Law, allowing pooling by Railroads for the division of freight tonnage, thereby stopping the present demoralization of, and unjust discrimination in freight rates. Another subject that may well occupy your attention is the system of option trades in wheat. I am well aware that on this subject millers are not a unit, but that some are honest in the belief that the system is, to say the least, a necessary evil; this does not make it right however. By many it is firmly believed, that unless it is stopped it will be the ruin, of not only

the miller, but the wheat raiser. The present low price of wheat is undoubtedly largely due to the fact of our crop many times over by a class of gamblers who thrive, as all gamblers do, on the losses of others.

Any system that compels the manufacturer to hedge his business by joining gamblers, is wrong in theory and in fact, and must eventually result in bankruptcy, as he has the legitimate chances of the market and all the certainty of a "bracket" against it, both of which cannot be equalled by a profit of five to ten cents per barrel. To make the option system profitable, heavy carrying charges must be maintained, which are rarely realized by legitimate value at the time they are intended to accrue, but are against the miller, especially in foreign trade where the miller can buy his supplies for long future delivery, at very much less cost for carrying charges, and in the case of some kinds of wheat for no carrying charges whatever.

This heavy difference in carrying charges between this country and Europe make it profitable to hedge the holdings of Europe in the principal markets of this country, thus throwing our markets not only our own crop many times over, but a very large proportion of the wheat crop of the world. The sale of actual wheat for future delivery is not only legitimate, but necessary to the successful handling of the crop of the world, but the sale of wind, sentiment and fraud can and should be stopped. The "Hatch Bill," now pending in Congress, while no doubt imperfect and may fail to secure the full benefit desired, is a foundation on which may eventually be built a basis for help to restore the wheat and flour business of this country to its former success and profit. If the present Congress with all its shortcomings and "Sugar," will pass this law it will not be said to have lived in vain.

The minutes of the previous meeting were taken up and adopted. The report of the Executive Committee was then called for. Mr. C. J. Martin, chairman of the committee stated that a large amount of business had been presented to the committee in the way of patent legislation and various complicated questions had demanded the attention of the members. All questions that could be settled at small expense to the association were taken up and settled. Where litigation had been forced on the association the committee had employed the best counsel they could obtain and in every way collected such testimony as they thought would enable them to defeat the threatening suits. "A notable case of this kind," Mr. Martin said, "is that of Russell against the Wisconsin millers which has been dragging along three or four years, and we trust is near a successful ending."

The next business in order was the report of the secretary which was as follows:

SECRETARY'S REPORT.

The past year has been quite a busy one for the Millers' National Association,

and a review of the quarterly reports, issued immediately after each meeting of the Executive Committee, in which brief statement has been furnished members regarding the work done, will demonstrate the fact that much good has been accomplished by the association. That much has not been done may be charged to the members who have failed to take advantage of opportunities afforded them to derive benefit from the association.

Millers, generally, have during the past year or so evidenced a growing interest in the subject of local and sectional organizations and they have naturally derived much benefit from the formation of the several organizations of this kind that have been started. These associations are just as important and beneficial to the trade as is a national organization, which must necessarily confine its action to matters of general interest alike to all millers of the United States.

The utility and necessity of strong national organization has been emphasized repeatedly by the Executive Committee, and it is to be hoped that through their prosperity and growth, eventually the long cherished plans of the Millers' National Association may be realized, and that this organization will be strengthened by the added support of representative delegates from every local association in the country. It will be unnecessary to tear down anything of the old National Association, in order to make it just what it should be. Its doors are open to admit all millers, and its constitution and laws are simple and unchangeable at any time. It can be made to conform to the needs and desires of the trade at any moment and with a little building up, and no tearing down, may be made even more useful and valuable in the future than it has been in its highly creditable past.

Kentucky, which has been done by the association during the past twelve months, it will perhaps be of interest to all present to receive a condensed report of the same.

TRANSPORTATION MATTERS.

Last year we were able to point to the practical results of the long and persistent efforts of this association in the direction of securing a better and fairer export of lading. The shipping receipt, since used by the transportation lines has been quite generally satisfactory, and has relieved shippers of many hardships suffered under the old bill of lading.

Trouble confronted us, however, this year from the action of the American carriers in again attempting, on January 1st, 1894, to foist upon shippers a form of bill of lading for domestic use which was illegal and an outrage upon the public. This bill had been quietly formulated by the Traffic Association, and agreed to by all railway lines within the territory of the Central and Trunk Line Associations. It disclaimed all liability on the part of the carrier, for loss or damage arising from any cause whatsoever—even from negligence or fault of employees. It was branded across its face "not negotiable," and was in the form of a special contract, which was of no value whatever as security for goods entrusted to the Transportation Company. In order to evade the terms of common law, the railroads proposed to accept shipments under the requirements placed upon them as common carriers, but imposed an extra charge for such service, equal to one class higher tariff rates. This provision would practically compel shippers to accept their uniform bill of lading and would result in great injustice and hardship.

Through the prompt action of the National Transportation Association, of which this association is an active member, this scheme was frustrated and the railroads were forced to recede from their position and use a more equitable form. The Grand Trunk Railway was persuaded to take the initiative in putting in use a simple form of bill of lading containing no provisions of exemption from liability whatever, being simply a receipt for the goods, to be transported subject to the common law and statutes of the several states through which they passed. It is believed that this will result, in time, in the general adoption of this right and proper form of bill by all railroads of this country.

The National Transportation Association is actively engaged at present in endeavoring to secure much needed amendments to the Interstate Commerce Law, which will enable its enforcement and regulate the conduct of roads which attempt to evade it. The matter of demurrage charges, compelling railroads which impose a penalty for delay in unloading their cars to pay a penalty, in turn, to the owner of goods, is being done up as an unreasonable in transit, is being pushed by this association.

The action of the Millers' National Association, in conjunction with other commercial bodies in this direction will unquestionably result in great good for our members, who are nearly all deeply interested in transportation matters.

THE MILLERS' TRACING BUREAU.

The Tracing Bureau which has been conducted by this Association for the past three years, has continued to give good service and is in excellent condition, able to do many times the work that it has given to it. Only about a half a million sacks of export have been traced during the year. Owing to the depression in export trade and close margins on sales, the patronage given the Bureau of late has been very light. The sub-organization is entirely self supporting, and as its tracing work is done on a commercial basis, it does not run behind financially, and holds its own in every direction.

EXPORT TRADE.

There has been considerable agitation, during the past year, of the subject of improving the export flour trade of the United States. Several sectional associations have taken the matter up and made, thus far, fruitless attempts to accomplish something definite and of value. The same mistake has been made in their methods that occurred some years ago in the fight against the Cochrane patents. These associations have been acting separately and independently of each other, pulling apart in different directions, without unity of action. This subject is of general interest to all millers in our country, and the efforts to do fully successful, require complete union and accord. It is clearly a matter for the attention of the National Association, and strong support from every section of the country should be accorded in its work.

Two years ago a special committee was appointed to investigate the subject of trade with France.

This committee failed to report at the last convention, and was given further time. I do not know whether it has accomplished anything or not.

When the so-called "Wilson Tariff Bill" was commenced in the recent Congress, it was reported that manufacturers of cheap French wines, through their government representatives at Washington, had filed an appeal for material reduction in duty. This seemed an opportunity for us to get in a little work upon the French government for a modification of its tariff on American flour, as an exchange of courtesy, for the desired reduction on our wine duties, and the Secretary of the Millers' National Association took the matter up with members of the Ways and Means Committee of the House of Representatives. The present administration, however, seems to have such a strong antipathy to anything smacking of "reciprocity" that there was no prospect of successful issue, and there was so little support to the efforts put forth that no results were accomplished.

I beg to suggest that a strong committee on Export Flour Trade, with Europe and South America, be appointed at this convention, and firmly believe that if such committee will take energetic action, great good may be accomplished. Senator Washburn has recently introduced an amendment to the Tariff Bill, which provides for reciprocity in the matter of duty on American agricultural products, and ex-representative Lind of Minnesota, in the last Congress pressed the subject strongly before the House. Strong support of this movement may accomplish something.

CLAIMS AND COMPLAINTS.

But few of our members have availed themselves during the year of the benefit that may be enjoyed from employing this association to adjust claims or complaints that they have against flour dealers. Of the half dozen claims presented, all but two have been satisfactorily adjusted, without going into the courts.

It has been necessary to enter two suits; one against Eph. Hewitt of Chicago; complaint having been filed by the L. C. Porter Flour Co. of Winona, Minn., arising from alleged unjust and unreasonable cancellation of an order. The other against L. A. Conwell & Co. of Philadelphia, filed by the same member and upon the same grounds.

In a number of instances members have given notice that they would present certain complaints to the courts, but they have saved the necessity of so doing, owing to settlements obtained.

PATENT MATTERS.

The past year has witnessed greatly increased activity in patent litigation, and this association has had more work in this direction than for many years past. A number of the claims brought to litigation are absurdly weak and undeniably invalid, but they must be contested and the value of such an association as this, to relieve members of the annoyance and expense of defense, when attacked by such suits, has been strongly demonstrated during the past twelve months.

At the last annual convention the settlement made with the owners of the Brua patent was reported, and our members have since suffered no inconvenience from this source, though the claimants go merrily on and are prosecuting their claims and collecting royalties from many who are not protected by membership in this organization, or the Pennsylvania State Association, which followed in our footsteps and secured settlement shortly after we did.

At the last convention report was made and discussion had upon the subject of the Detwiler gradual reduction patent No. 188,783, issued March 27, 1877, against which the Pennsylvania State Association had been defending. Decision had just been found against the defendant in the suit of Detwiler vs. Bosler and serious trouble was anticipated. It was decided that this Association should take some action in the matter, and steps were taken to place the case in the hands of counsel, but a reversal of Judge Dallas' decision in the suit referred to, made such action unnecessary. Detwiler was thrown out of court upon this claim, and will give no further trouble with it.

He has, however, recently come to the front again with another claim for alleged infringement on Flour and Grain patent No. 183,883, dated August 7, 1877. Threatening communications are being sent to millers throughout the country by J. Walter Douglass, an attorney of Philadelphia, and demand for payment of royalty is made, accompanied by assertion that, if not promptly complied with, suit will be

THE GENERAL FIRE EXTINGUISHER COMPANY,

AUTOMATIC SPRINKLERS

OF FREDERICK GRINNELL, WILLIAM NERACHER, JOHN HILL, WILLIAM KANE and others.

An association of the leading Sprinkler Companies, with shops conveniently located and thoroughly equipped for executing work at fair prices in all sections of the country.

Reliable Sprinkler Systems, both wet pipe and dry pipe, promptly installed in conformity with the best known methods

INFORMATION AND PROPOSALS FURNISHED AT THE SEVERAL DEPARTMENT AGENCIES:

NEW YORK, 413 Broadway.
PHILADELPHIA, Mutual Life Building.
CHICAGO, 226 LaSalle Street.
CLEVELAND, Society for Savings Building.
CINCINNATI, Neave Building.

BOSTON, 173 Devonshire Street.
BUFFALO, City Bank Building.
ST. LOUIS, 806 Riato Building.
Also at WARREN, O., and COLUMBUS, GA.
AND AT THE

EXECUTIVE OFFICES, - PROVIDENCE, R. I.

B. W. DAWLEY,

Department Agent and Supt. Western Department.

Pullman Building,
CHICAGO, ILL.

THE ROCKFORD HOTEL, Chicago, 222 S. Clark Street (opposite Post Office)
European Plan. 75c. and upward.
Neat, Clean and Homelike.

Milwaukee Bag Company MANUFACTURERS OF COTTON, PAPER AND JUTE FLOUR SACKS. MILWAUKEE, WIS.

entered. No member of this association has yet been sued; litigation is commenced, there is no doubt but that the association can and will afford its members ample protection.

The litigation under the patent issued to Wm. E. Lee, of Minnesota, on Cockle Separating machines, still drags along. It was reported at our last convention that Mr. Lee had just entered suits against all of the mills in Minneapolis; no new suits have since been commenced by him, and the trials of these twelve cases will probably occur next month. The defense has been very carefully prepared and great confidence is felt in the ultimate defeat of his claim. An expert is now making investigation in Europe, regarding foreign patents of this kind, and reports very encouraging results.

A misunderstanding seems to have arisen in regard to the facts relative to the suit of Lee against Pillsbury & Co., which resulted in a \$1,600 decree for Lee, after a second trial. This suit was appealed, but the appeal was dropped and Lee finally won the case by default. The defense of this action was conducted by the Cockle Separator Manufacturing Co., of Milwaukee. The Millers' National Association had no hand in the case, and preferred not to undertake an appeal, as the defense had been so faulty that it was not deemed safe to meddle with it in any way. This suit does not prejudice the subsequent ones.

The ancient Russell claims, based upon an alleged contract, giving territorial rights to manufacture and sell millings purifiers under the Geo. T. Smith patents, are still giving us trouble and costing a large amount of money, \$1,600.00 having been spent by the association on this account during the past year. The suit of Russell vs. Kendall & Co., of Hartford, Wis., lies dormant. In his suit against Kern & Son, of Milwaukee, two amended bills of complaint have been filed thus far, each taking up the case from a new and different standpoint from the original. Our defense seems so strong, that it must defeat Russell in the end.

New suits have recently been entered by Russell against a large number of Wisconsin millers, among the following: Sanderson Milling Co., Dreyer Roller Mill Co., Gem Milling Co., C. Manegold & Son, Faust, Kraus & Co. and B. Ster & Son, all of Milwaukee.

Some millers outside of our association have been impressed with the seriousness of this litigation to the extent that they are paying Russell for a retainer, enough money to have maintained membership in the National Association for the next twenty years.

On July 6th, 1893, in the U. S. Circuit Court for the southern district of Ohio, a decree was found for the plaintiff in a suit entered by The Jonathan Mills Mfg. Co. vs. M. C. Whitehurst based upon a patent, upon a centrifugal bolt, No. 27,068, dated Nov. 7, 1892. The machine which it was alleged infringed was the flour dresser manufactured by The Bradford Mill Co., of Cincinnati, O.

This decision was so sweeping and the claims of the owners of the patent so

brod, that the Executive Committee, after careful investigation, decided that immediate steps were necessary to protect the members. Accordingly the eminent patent lawyer, Mr. George Harding, of Philadelphia, was retained and the most thorough investigation of the patent made: as a result of which, the conclusion was reached that the Jonathan Mills Co. did not have such title to the patent in question as will sustain their claim for infringement. It was believed that a release from the Wisconsin Patent Milling Co., of Milwaukee, would protect our members from these claims, and arrangements for such release were made.

Finding that litigation would probably arise under claims of The E. P. A. & Co. under the Gray and Clark patents upon the same class of machines, an agreement for release and license for our members was also secured from that concern.

Thus our members may, if they desire, secure licenses and release under the claims stated above, for all their machines known to the trade as "four dressers" or "round reels," (having inner cylinders or drums) by applying for the same before June 18th, 1894, and save themselves troublesome and expensive litigation, which will surely come a little later upon those who are not thus protected.

The long expected ending of litigation upon the "Cyclone" type of dust collector has at last been reached. By a decree before Justice Wills at London, England, February 2d, 1893, and by decree rendered by Judge Grosscup in the U. S. Circuit Court for the northern district of Illinois on May 9th, 1894, which orders injunction against the defendants, the validity of the Morse Patent "Cyclone" Dust Collector was established.

When this litigation first threatened the Executive Committee of the Millers' National Association became convinced that there was danger ahead, and proceeded to provide protection for our members. The Knickerbocker Co., manufacturers of the "Cyclone" machine, deposited an indemnity bond for \$50,000 with the committee, coupled to an agreement to defend any suits brought against members arising from the use of their machines. Formal demand was made upon manufacturers of all dust collectors of this type, for similar agreement of protection, and when they declined to give security, official notice was served upon all members of this association, under date of Sept. 10th, 1887, that this association would not assume the defense of any purchaser of a similar machine, conflicting with the patent claims of the Knickerbocker Co., but each in individual buyer must look to the seller for his indemnity and protection.

This matter has repeatedly been called to the attention of our members since 1887, by circulars and at annual meetings, and warning given that regarding the impending trouble. These facts notwithstanding, many members of the association have entirely ignored the warnings and advice given them, and have bought and used machines which have claimed to infringe. Now that the Knickerbocker Co. are prosecuting their rights, and calling for settlement, these members unreasonably turn to this association with demands for protection.

MEMBERSHIP.

The membership of this association has changed but little since the last annual meeting, one year ago. There have been a few losses from failures, retirement from business and like causes, and the usual small proportion of members have defaulted in the payment of annual dues for 1894. The gain in new members exceeded the losses, however, and we are able to make the usual good showing as to membership at this time.

Last year I reported to you membership aggregating about 150,000 barrels daily output. The membership today extends over nineteen states, and the aggregate daily capacity, as assessed, shows a net increase over last year of 33 units or 3,300 barrels. The assessed capacity is based upon reports of members rendered several years ago, and is considerably below the average output in very many cases.

The membership is divided nearly equally between the winter and spring wheat sections of the country.

In compliance with the requirement of law contained in Art. VII of the constitution I have to report the following names of members who failed to honor the drafts for dues for 1894, made upon them on January 15th last:

Units.	Am't of Capacity.	Draft
J. G. Chick Milling Co., Rockford, Ill.	2	\$10 00
Loughry Bros., Monticello, Indiana	2	10 00
J. J. Wilson, Algona, Ia.	1	5 00
G. Durst, Danbury, Ia.	1	5 00
Blaker Milling Co., Pleasanton, Kans.	1	5 00
Albion Milling Co., Albion, Mich.	4	20 00
Dewey & Stewart, Owosso, Mich.	2	10 00
W. R. Stafford, Port Hope, Mich.	1	5 00
C. A. Smith, Lebanon, Mo.	1	5 00
Geo. D. Thomas, Bozeman, Mont.	1	5 00
D. H. Harris, Bennet, Neb.	1	5 00
O. A. Cooper, Elkhorn, Neb.	2	10 00
S. A. Coomb, Homer, Neb.	1	5 00
Rich'd Lott Jr. & Co., Bridge-ton, N. J.	1	5 00
Isaac Horsefall, Freeport, L. I., N. Y.	1	5 00
S. Gehard & Sons, Dayton, Ohio	2	10 00
Warwick & Justus, Massillon, Ohio	3	15 00
Scouller Milling Co., North East, Pa.	1	5 00
Aberdeen Mill Co., Aberdeen, S. D.	2	10 00
H. H. Price, Black Earth, Wis.	1	5 00
Robbins & Baltzell, Madison, Wis.	1	5 00
Total, 21 firms.	32	\$160 00

Notice was served thirty days ago upon each of these firms, that according to law, their names would be dropped from the membership rolls at this meeting, if their dues were not paid.

The gains in membership during the year were in New York State, Pennsylvania and Wisconsin aggregating 77 units of daily capacity.

Under the constitution of this associa-

tion (Art. III, Sec. 2) the following state millers' associations are entitled to a representative each, in the Board of Directors: Illinois, Indiana, Kansas, Maryland, Michigan, Minnesota, Missouri, New York, Ohio, Pennsylvania and Wisconsin.

The annual dues for 1894, were assessed by the Executive Committee on the basis of \$5.00 per unit of daily capacity, and placed the treasury in a good condition.

The treasurer's accounts show that there was received during the past year, \$770.00 for membership fees, and \$4,745.00 for annual dues. The total disbursements aggregated \$5,646.92 for the same period, and there is a cash balance of \$5,298.75 in the treasury at the present time.

Respectfully submitted,
FRANK BARRY, Secretary.

The secretary was instructed to make one more draft for delinquent dues reported, and if the same be not honored to drop such members from the roll.

The treasurer, Mr. Seamans, then read his report as follows:

FINANCIAL REPORT OF S. H. SEAMANS, TREASURER.

June 7th, 1893, Balance Cash on hand per last report... \$5,430.67
Received for fees from new members... 770.00
Received for annual dues... 4,745.00

\$10,945.67

Disbursements upon warrants of secretary, countersigned by president, as follows:

Salary of secretary... \$2,400.00
Office expenses... 168.50
Telegrams and express... 13.63
Postage... 35.19
Printing and stationery... 61.35
Exchange and collection expense... 8.50
Convention and Executive Committee expense... 109.00
Expense of Claim Department... 61.00
Memorial, Wm. Sanderson... 25.00
Nat. Transportation Assn. expense... 91.60
Legal expense, patent litigation... 2,673.15
June 12th, 1894, Balance cash on hand... 5,298.75

\$10,945.67

A discussion took place regarding difficulty experienced in enforcing the agreement entered into by Spring wheat millers in 1892 as to the different charges between sacked and barreled flour. Mr. Urban called attention to the fact that

several years ago the association had sent out a circular for millers to sign, fixing the difference to be charged between the various sacks and barrels. Since then a lot of new millers have come into the field and are making variations from this old rule. "I think there should be a committee appointed," he said, "to look after this matter and get it straightened out, because it will eventually result in a complication that will be very expensive to millers." Mr. Pillsbury, Mr. Loring and Mr. Urban were appointed on this committee.

A discussion on patent matters was then had. Mr. Seamans said that there were about two hundred thousand patents on file that were worthless and of no benefit to any one, except to persons who could use them for illegitimate purposes. He suggested that a tax should be imposed upon all patents, of a nominal sum, which could readily be paid by the vender of a legitimate patented article; this would harm nobody, and in case the tax was not paid, the patent should become public property and could not be used for purposes detrimental to the community.

"Our patent office is granting a hundred thousand patents every year now, I think," he said, "and they are there, many of them, for no legitimate use whatever. They are on the records and someone else gets up an invention and purchases this invention that is of no value whatever, to compete with some other machine that is upon the market, and you and the rest of them have to pay royalty. It is made use of for illegitimate purposes." Mr. Pillsbury moved "that the Association appoint a committee of three to memorialize Congress to impose a tax on patents in order to prevent abuses, and that Mr. Seamans be chairman of the committee," which motion was adopted.

Mr. W. D. Sparks, of Alton, Ill., made a motion to the effect that the Association endorse the Hatch Bill, now pending before Congress, appoint a committee to take the matter in hand, and with the help of the secretary bring the subject before the millers of the Association, endorsing the bill in full, and asking each millowner in the Association to write to his Congressmen and Senators and see if it cannot be made a law. After considerable discussion it was decided that, as some members of the association were for, and others against the bill, it would not be wise to take action in the matter, whereupon Mr. Sparks withdrew his motion.

Mr. Loring moved that a committee consisting of the incoming president and two

others, to be selected by him, be appointed to ascertain in what manner the membership of the association could be increased, which motion prevailed.

The secretary read the following communication from the Trunk Line Association:

Mr. Frank Barry, Secretary, National Millers' Association, Milwaukee, Wis.

DEAR SIR:—Complaints having been made by shippers that export shipments of sack flour were not being delivered according to shipping marks at destination either in Great Britain or the Continent, the subject was taken up with some of the steamship lines with the view of ascertaining the full facts in regard to the matter.

The replies indicate that if the shippers will make the figures on the sacks larger, the difficulty would be overcome. It is stated that at present the figures and marks on the sacks are so small that it is very difficult to decipher them; in fact, it is almost impossible to do so without brushing each bag. Owing to this fact, if there are two lots of the same brand, say R. E. X. 108 and R. E. X. 109, in the same ship, it is easy to see how some sacks numbered 109 will be very likely be delivered to the holder of the bill of lading for the lot numbered 108, and vice versa, and though the quality may be exactly the same, such deliveries of course lead to confusion and more or less trouble, not only to the steamers but to the shippers.

This subject was considered at a recent meeting of the Trunk Line Freight Committee and we were requested to communicate with the various Millers' Associations, calling their attention to the matter and urging the necessity for the plain marking of shipments in order that the identity of each lot may be preserved at point of delivery. Our attention has been called to the fact that some millers are now using figures about 8 inches long and from 3½ to 4 inches wide. If all shippers would use this size of figures as a standard for lot numbers to be branded on the back of every sack it would tend very materially to accomplish the purpose of this letter.

Will you kindly take the matter up with the members of your association with the view to bringing about this result.

Yours truly,
J. F. GODDARD,
Commissioner.

A committee was appointed to nominate officers for the following year, and reported the following names:

For president, A. C. Loring, of Minneapolis, Minn.; first vice-president, P. H. Macgill, of Baltimore, Md.; second vice-president, B. F. Isenberg, of Huntingdon, Pa.; treasurer, S. H. Seamans, of Milwaukee, Wis.

Upon motion the secretary was instructed to cast the ballot of the association for the gentlemen named, and they were declared duly elected.

The following preamble and resolution were then adopted:

WHEREAS, the Hon. W. D. Washburn, Senator from Minnesota, has introduced into the Senate of the United States a measure to amend the tariff bill now under consideration, so as to establish reciprocity with foreign countries, for the benefit of American agricultural products, and;

WHEREAS the relations already existing under reciprocity treaties with Brazil and other countries have widened and enlarged the markets for American flour; therefore be it

Resolved, that the Millers' National Association of the United States, in convention assembled at Chicago, on the 13th day of June, 1894, express approval of and heartily endorse the efforts of Senator Washburn in this direction and urges the passage of the proposed amendment by the present Congress of the United States.

The Convention then adjourned, after which a meeting of the Board of Directors was held, resulting in the election of the following Executive Committee for the ensuing year:

C. A. Pillsbury, chairman.
Geo. Urban, Jr., Committee on Transportation.
W. A. Coombs, Committee on Domestic Trade.
S. H. Seamans, Committee on Patents.
D. S. Shellmeyer.
A. C. Loring, (ex-officio) Committee on Export Trade.

The Executive Committee subsequently elected Mr. Frank Barry secretary of the Association.

Among the members present at the Convention were the following:

C. B. Cole, Chester, Ill., president.
A. C. Loring, Minneapolis, Minn., first vice-president.
S. H. Seamans, Milwaukee, Wis., treasurer.
J. J. Martin, Minneapolis, Minn., chairman executive committee.
W. A. Coombs, Coldwater, Mich., member executive committee.
Geo. Urban, Jr., Buffalo, N. Y., member executive committee.
E. K. Greenlee, Minneapolis, Minn.
P. H. Macgill, Baltimore, Md.
C. A. Pillsbury, Minneapolis, Minn.
W. D. Sparks, Alton, Ill.
W. Erskine, Esq., of Iglehart Bros., Evansville, Ind.
J. O. Hewitt, Waukesha, Wis.
F. E. C. Hawkes, Goshen, Ind.
—Donmeyer, Peoria, Ills.
E. J. Lachman, Neenah, Wis.

The new officers of the Association are prominent millers and feel a lively interest in strengthening and building up the organization. A strong effort will be made to increase the membership during the next year, and it is hoped that the old National will become stronger and more useful than ever.

THE FIRST ANNUAL CONVENTION OF THE SOUTH-WESTERN WINTER WHEAT MILLERS' ASSOCIATION was held Tuesday, June 12th, with a large and enthusiastic assemblage of millers. The Convention was called to order by Vice President Chas. E. Jones of Oklahoma City, O.T., some time having been spent awaiting the arrival of President Hoffman, who had planned to be present and address the millers, but did not arrive.

After a few remarks the reading of the Secretary's report was called for. The report was received and approved by the convention. A committee on resolutions was then appointed consisting of five members.

Mr. Jones of Oklahoma read the following paper which met with a warm reception:

Mr. Chairman, Brother Millers and Fellow Citizens: I regret very much that Governor W. C. Pennington is unable to be present to-day, for he would doubtless give us much information on this subject; but, as millers do not boast of classics, you will please pardon any errors in my efforts as his proxy, addressing you on "Oklahoma as a Wheat and Flour Producing Territory." Greece and Rome had their foreign granaries; Germany, France and England have theirs, but America has her granaries and her other sources of untold wealth in the bosom of her own soil. The redemption from barren plain or forest of each new addition to the cultivation and developed portion of the United States has bestowed such satisfactory results as to render our people thirsty and impatient for the "opening of a new country," that they may garner wealth as by magic.

By the proclamation of the President of the United States in 1890, the doors of our "baby commonwealth," Oklahoma, were opened to the ingress of industry and toil, buoyant with hope we entered and began the preparations to follow our former avocations. It is not necessary that I give any account of the trials, privations and even disappointments (for we had a few) that attended us in the subduing and overcoming the many obstacles that confronted and hindered the progress of any enterprise in our new country. Possessed of the knowledge as we were, the belief that the countries south of the Mason & Dixon line were successful wheat-growing countries, neither as to quantity nor quality; pinched by poverty and overwhelmed by the labors required to prepare shelter from the storms of the coming winter, farmers in the fall of 1890 planted but little wheat, and that on sod poorly prepared to receive and nurture it, but to our surprise, it yielded both in quantity and quality, far beyond our expectations. Encouraged by such good returns, helped by the benevolence of the Santa Fe and Rock Island R.R. companies,

which distributed among the farmers for seed, each ten thousand dollars worth of wheat, at Kansas prices, free of interest for one year, and free of freight; and further encouraged by a few daring millers who then erected mills, which would do credit to old and established wheat countries; with renewed energy the farmers began the preparation of more acres for the fall sowing, which was followed by the harvest of 1891, so satisfactory as to encourage all, and many began to believe we were in a great wheat country. Then followed the seeding and the harvests of 1892 and 1893, and we are now enjoying our fifth harvest feast.

In this short period of Oklahoma's existence, and under such adverse circumstances, the harvests have been so abundant and general and uniform as to demonstrate beyond any doubt that the goddess Ceres has bestowed her choicest blessings upon us. That you may know our conclusions are correct, and we are not laboring under a delirium, we submit the following facts and figures:

ACREAGE.	YIELD.	
	Bu.	Total Bu.
1889	1,000	10
1890	35,000	14
1891	90,000	16
1892	222,810	20
1893	328,900	22
		7,422,600

From the foregoing facts it is noticeable that the acreage has increased very rapidly, which is the case with all crops grown in our country.

As you will remember it was in 1889 that the first sod was turned and the first seed was given to the soil in Oklahoma, but we will extend our fields wider and wider, with a greater ratio of increase for the next five years, for our farmers are just extricating themselves from the embarrasment of contests and poverty, and they will hereafter be able to devote their entire time to their farms.

Our sod crop of 1890, as you will see, yielded but about 10 bushels per acre, but the wild, tough prairie sod is not conducive to crop growing, and this yield was beyond our expectations. Much of the land that has been thoroughly subdued and brought under cultivation has produced 10-odd bushels per acre. But as more or less wheat has been sown on sod from year to year, a general average has been kept down. We have now a yield of about 22 bushels per acre, which is not the climax, by any means, for 30-odd bushels will ultimately be the average when our wild grass period has passed away, and our seed will be given to fallow ground only.

The entire crop of Oklahoma wheat this year will amount to about seven or eight million bushels, which looks big to some, but when the present Oklahoma and Indian Territories shall compose one grand state, with but half her land planted to wheat, with no greater yield than she now has, the entire crop will aggregate 90,800,000 bushels, the flour of which would be sufficient to furnish bread for 90,053,334 people, nearly the present population of the United States.

No spring wheat is sown in our country, but both soft and hard winter wheats are cultivated. Of the soft wheat, the varieties which have been most successfully grown are the Fulcaster, Fultz, May, Mediterranean and Clawson. Of the hard wheats there are the Russian, both red and white, and the Turkey. Of the above, those making the greatest yield are the Fulcaster, Fultz and the Russian.

Any new country is put to tests to ascertain its true value. I herewith submit a few which have been made in the Canadian valley of the Oklahoma country. Monroe Neil, in the Nine Mile Flat, eight miles northeast of Fulcaster City, harvested 44 acres of Fulcaster wheat which yielded 49 bushels and 25 pounds per acre. R. W. Smith, four miles west of Oklahoma City, harvested 77 acres of Fultz wheat, which averaged 39½ bushels. From 120 acres of Russian wheat Mr. Manwell, five miles west of the same place, threshed 4,320 bushels, an average yield of 41 bushels per acre. The experience of W. P. Moore, two miles east of Oklahoma City, illustrates the value of wheat growing in our territory. He rented of Mr. Perry 29 acres of valley land at \$8 per acre, prepared to receive the seed. He harvested 928 bushels and sold it for 46 cents per bushel. After deducting for all labor performed by man and team, at a rate of \$2.50 per day, and all other expenses incurred, he had a net profit of \$198.40. And you must remember wheat growing is rendered more profitable by the abundant pasturage it affords in our country the entire winter.

You are millers, and know that the greater the yield, the better the quality, as a rule, and you doubtless saw some of our wheat at the Columbus exposition, which was awarded the highest honor for its excellent quality; and further, you will remember that the high patent flour, manufactured by the Jones Milling Co. of Oklahoma City, competing with the flour of over 100 mills, came through the contest with the blue ribbon.

Oklahoma wheat produces the required quantity of excellent flour. A test made by our company of 172 bushels and 25 pounds of Fulcaster wheat yielded a barrel of flour (98 pounds) and 71 pounds of offal of each 49 bushels and 27 pounds of wheat.

The flour manufactured by the various mills (about fifteen) of our territory is sold in competition with flour produced by the mills of Missouri, Kansas, Arkansas, Colorado, Texas and New Mexico, and we have no reason to complain of the results of the

competition, but regret that we are forced by our country to sell on close margins and on such unreasonable length of time. As our country is new to all, and as you are interested in the cereals of the Southwest, I have taken the pains to bring with me, for your inspection, samples of the different varieties of our wheat, which I would like to have you examine and express your opinion of.

Information can be had from the United States and other reports of agriculture in the various states and territories, but very little information of our new country is to be had from any source, as our own farmers and agricultural experiment stations are just beginning to realize our possibilities.

It would probably not be entirely out of place for me to drop a few words on the subject of agriculture and horticulture in general. While I believe that wheat will be our predominating crop of grains, we produce corn, oats, rye and barley in abundance. Irish potatoes yield well, while a truthful record of the sweet potato crop of Oklahoma would be a "fish story" of abnormal proportion to those who know nothing about our country.

Cotton is a crop, as you are aware, that brings returns for labor very quickly, and, therefore was one of the first crops planted. So encouraging has been the crops that not only the planter of the South is now engaged in that class of farming, but many from the rye fields of the North, who five years ago looked upon a cotton field with awe, are now giving much attention to that crop. Every neighborhood has a cotton gin, and many a dollar of New England money is called back to the land of the "fair gods" through this product alone.

There is much encouragement from horticulture. We are in this short period of time, planted more orchard trees, and larger orchards than was ever done before in the same length of time in any one State or Territory. Our trees are beginning to bring forth fruit which for beauty and excellent flavor is not surpassed, even by that of California.

The intent of this paper and time and space allowed, will not permit me to dwell longer on the products of our country. This marvelous growth of grain, vegetables and fruits is now beginning to be known to the world. And when the United States can be blessed with a sane Congress which will remove the many impediments to reciprocal commercial intercourse with foreign countries, especially Mexico and the States of South America, and when the Southwest is webbed with railroads, as some of the States, giving us accessible egress at reasonable freight rates, every hamlet will enjoy the ceaseless music of rolls and burs, and our country will be looked upon as the Minnesota and Oklahoma City the commercial metropolis of the South-west.

Then followed the reading of papers on "Brands" by Messrs. Higdon and Brickman; "Terms—Shall the Time on Flour Sales be Reduced?" by C. C. White of Crete, Neb., with a discussion on the same by John R. McKim. Mr. Hunter, Chairman of the Committee on Resolutions, submitted a resolution on the extension of markets in Mexico.

The Committee on By-Laws and Constitution then presented a report on the organization of a "Millers' Congress," which was approved.

The election of officers aroused quite a discussion; some of the members being of the belief that owing to the fact that the present officers having served only six months they hold over until the next annual meeting. The majority, however, took the position that officers should be elected at each annual meeting. On motion that the election of officers proceed, the following were chosen: President, R. M. Davis of St. Joseph, Mo.; Vice President, Wm. Pollock of Mexico, Mo.; Secretary, Augustine Gallagher. Treasurer L. M. Miller of Kansas City, was re-elected by acclamation.

THE SOUTHERN ILLINOIS MILLERS' ASSOCIATION held their semi-annual session June 15, at Columbia. The meeting was presided over by President A. J. Meek of Marissa. Quite a fair representation was present, and

the meeting was mainly devoted to the consideration of the tactics employed by the mill mutual insurance companies to avoid the payment of losses on account of some alleged technicality. This question was vigorously discussed by President Meek, followed by Messrs. Hatch, Johnson, Curtis and Neal. Mr. Neal related the bitter experience he had, when, some months ago, his mill at Murphysboro burned. He carried \$17,500 insurance, but has been able to collect only \$2,500. Payment was refused on the ground that no watchman was employed at the mill. Mr. Neal says the watchman clause was inserted in the policies without his knowledge or consent. Following Mr. Neal's remarks Mr. Cole of Chester introduced the following resolution, which received every vote in the meeting:

Resolved, That it is the sense of this meeting that the Jackson County Milling and Elevator Co. (Mr. Neal's company), has been unfairly treated by the Millers' National, the Indiana Millers' Mutual and the Illinois Millers' Mutual Insurance Co.'s in adjustment of the loss on their mills, and that these losses be paid as soon as possible; also that a copy of this resolution be mailed to the secretaries of each of those organizations.

The election of officers resulted as follows: President, A. J. Meek, Marissa; Vice-president, N. Sauer, Evansville; Secretary, J. J. Koenigsmark, Waterloo; Executive Committee, H. C. Cole, Chester; J. L. Grigg, Sparta; and Henry Hutch, Percy.

THE twenty-first annual Convention of the Kansas State Millers' Association was held at Topeka June 4 and 5, President E. A. Colburn presiding. Several interesting addresses were made and freely discussed by the members present.

After some discussion Wichita was chosen for the next convention. The election of officers resulted in the official staff being re-elected as follows: President, E. A. Colburn, McPherson; 1st Vice President, E. E. Dawson, Great Bend; 2d Vice President, J. C. Thompson, Wellington; Secretary, C. V. Topping; Treasurer, J. N. Krehbiel, Mound Ridge.

After the meeting adjourned those interested in the project of extending the New England markets for Kansas wheat flour met, and the matter was discussed at length. The remarks tended to show that, considering the state of trade and the harvest prospect in Kansas, it was an inopportune time to undertake such a project, however promising it might appear, and it was therefore concluded that nothing be done, this year at any rate.

STEPS are being taken to revive the late Oregon and Washington Millers' Association. A meeting is to be called in a few weeks for that purpose. With proper officers, there is no

reason why the association should not be a success, and a great amount of benefit to each miller derived by being a member of the association.

THE MICHIGAN STATE MILLERS' ASSOCIATION.

The Michigan State Millers' Association has sent out the following circular letter:

SECRETARY'S OFFICE,
LANSING, MICH., June 12th, 1894.

To the Millers of Michigan:

The Summer Meeting of the Michigan State Millers' Association will be held at the Hotel Downey, in the City of Lansing, July 10th, commencing at 10 o'clock, a. m.

The Directors of the Michigan Millers' Mutual Fire Insurance Co. will hold a meeting the day following.

Arrangements will be made for a visit to the Agricultural College and its beautiful grounds during the day, and those who have not had the pleasure of seeing this model institution will find this a pleasant and profitable feature of the meeting.

A regular program will be prepared later, as topics and matters for discussion are suggested, and all are invited to assist in making it a good one.

A cordial invitation is extended to every Michigan Miller to attend the meeting, and join the Association if found desirable to do so.

All Honorary Members, and such other persons as may receive this notice, are invited to be present.

Members of the Association will kindly extend this notice, and make it a point to specially invite their neighbors or friends any where in the State, who are not members, to meet with us and ally themselves with the organization.

By order of the
Executive Committee.

WM. A. COOMBS, Pres't.
M. A. REYNOLDS, Sec'y.

WHEAT PRODUCTION IN THE ARGENTINE.

The Argentine Republic has of late years rapidly risen in importance as a wheat-exporting country, until in 1893 it took the third place among the wheat-exporting countries of the world. Until 1877, inclusive, the Argentine was itself an importer of wheat, as late as 1875 importing net over 1,000,000 bushels, but in 1878 it became an exporter to a very moderate extent and in 1879 to a somewhat larger degree, the net exports of 1878 amounting to 220,667 bushels, and of 1879 to 1,023,938 bushels. There was a serious failure of the wheat crop in 1880, followed by a partial failure in 1881, and for the years 1880, 1881 and 1882, the Argentine was again an importer to some extent. In 1883, however, the export movement began in earnest, and with the exception of the years 1886 and 1889 when the crops were poor, has steadily increased until in 1893 the Argentine Republic took the third place among the wheat-exporting countries of the world. Such has been the change within a decade from a position of insignificance to one of troublesome prominence

as a rival of the United States, Russia, Etc., and one of the officials of the Argentine recently asserted that it would inevitably soon outstrip the United States as a source of wheat supply for Europe. This, however, is a question of the future. The country has vast undeveloped resources, both agricultural and mineral, less than 5 % of its area adapted to cultivation being under crops, and the present high premium on gold affords great inducements to the Argentine farmer, but the day of reckoning in this respect must surely come, and when it does, wheat growing will receive a serious set back.

There are, unfortunately, no official statistics as to wheat area and production, beyond occasional incomplete census returns, but according to the most reliable data available, the wheat area rose from 271,500 acres in 1875, 686,000 acres 1884, and 825,000 acres in 1888, to 3,300,000 acres in 1892, and it is claimed by the Buenos Ayres *Standard*, that not less than 6,100,000 acres under wheat were reaped in December, 1893. The effective production has probably increased faster than the area, owing to better methods of cultivation, etc. The United States Department of Agriculture credits the Argentine with a crop of 33,000,000 bush. in 1890-1; of 30,000,000 bush. in 1891-2, and of 56,750,000 bush. in 1892-3. Commercial reports claim that the 1893 crop recently harvested ranged from 70,000,000 to 76,000,000 bush., while the exports to Europe for the first three months of 1894 have been 14,625,000 bush., against 9,832,000 bush. same time in 1893. Certain publications of the United States government purporting to give the annual exports, etc., of the Argentine Republic, have contained numerous misstatements, errors and discrepancies, but after thorough investigation the *Weekly* presents the following table, showing the gross exports of Wheat and Flour, with totals as Wheat (reckoned on the basis of 4½ bush. per barrel), annually since 1870, from official sources.

Year.	Wheat, bush. 60 lb.	Flour, equal bbls.	Total Wheat bushels.
1870.....	—	—	—
1871.....	294	180	1,104
1872.....	625	2,306	11,002
1873.....	182	1,371	6,551
1874.....	13,136	270	14,351
1875.....	—	185	2907
1876.....	766	3,975	18,653
1877.....	7,334	2,453	18,372
1878.....	93,001	32,822	241,300
1879.....	943,176	18,080	1,024,311
1880.....	42,829	18,009	114,870
1881.....	5,772	14,481	70,436
1882.....	62,658	6,173	60,436
1883.....	2,232,529	54,489	2,447,529
1884.....	3,986,623	42,004	4,175,641
1885.....	2,884,109	83,704	3,261,047
1886.....	1,391,265	59,189	1,657,015
1887.....	8,739,987	60,751	9,013,366
1888.....	6,574,431	71,902	6,897,990
1889.....	857,682	37,933	1,008,065
1890.....	12,047,924	138,177	12,656,221
1891.....	14,534,016	78,909	14,889,106
1892.....	17,273,394	212,014	18,227,457
1893a.....	37,037,290	427,422	38,960,679

a Approximate—official figures given in round numbers of tons.—*Millers' Gazette*, June 6th.

News Notes.

A NEW mill is being built at St. Henri, N.W. T.

RUTHER GLEN, N. B., is in line for a new roller mill.

PARTIES at New Castle, Va., will build a flouring mill.

M. V. CROFT, at Manchester, Ky., is building a grist mill.

J. HARRISON, of Condon, Or., intends to erect a 50-bbl. flour mill.

THE Saxony mill at St. Louis is to increase its capacity to 750 barrels.

THE Evening Shade Milling Co., at Evening Shade, Ark., will build a flour mill.

THE Crow Creek Indian Agency of South Dakota will build a 30-barrel flour mill.

W. H. ROOT of Chattanooga, Tenn., has leased the St. Elmo mill at St. Elmo, Tenn.

A 50,000-bushel grain elevator will be erected at Midway, Ky., by A. Weisenberger.

THE Keokuk Mill Co., of Keokuk Falls, O. T., have let the contract for a 75-barrel mill.

A. B. McDONALD has purchased the new roller mill of Averill & Alden, Cando, N. D.

THE flour mill at Marquette, Man., recently destroyed by a boiler explosion, has been rebuilt.

It is reported that a small mill is going to be built at Lyle, Klickitat county, Wash., this summer.

R. SEEMAN has removed his mill at Stockton, Minn., to another site, and entirely rebuilt the same.

A GRAIN elevator is to be erected at Wyoming, Ont.; one at Carp, Ont.; and a fire-proof one at Wellington, Ont.

THE grain warehouse of J. T. Thomas & Son, at Chattanooga, Tenn., recently collapsed, causing a loss of \$10,000.

FARMERS in the vicinity of Stockton, Minn., are making arrangements for erecting an elevator at that point.

THE Crisfield Milling Co., with a capital of \$10,000 has been incorporated at Crisfield, Md., by C. Hodson and others.

THE O'Neil elevator at Stockton, Minn., is being materially improved, and a gasoline engine substituted for the old horse-power.

THE new 300-barrel steam mill being built at Clinton, Mo., for J. G. Middlecoff, is nearing completion. It will be a model plant.

A BURGLARY occurred at the Fair Haven roller mills of Fair Haven, Minn. A considerable quantity of flour and feed was taken by the thieves.

CUMMIN BROS. Flour Mill Co. has been incorporated at Cheney, Wash., with a capital stock of \$30,000, by G. F. Cummin, T. A. Pomroy and D. F. Percival.

E. R. SMITH & Co. have sold their mill at Le Sueur, Minn., to the Minnesota Valley Roller Mill & Elevator Co., who expect to start it up. The mill has a capacity of 200 barrels.

THE Farmers Alliance and Industrial Union intend constructing a flouring mill at Garfield, Ore., with 150 barrels daily capacity. The cost of the plant is estimated at \$12,000.

HENRY MILLER has purchased a third interest in the Drews Brothers' milling business at Stillwater, Minn., and the concern hereafter will be known as Drews Brothers & Miller.

APPLICATION has been made for the incorporation of the Virden

Milling Co., to build and operate a flouring mill and elevator at Virden, Man. The capital stock will be \$12,500.

ROSS & MUIR are erecting a grist mill at Mattawa, Ont. If satisfactory arrangements can be made they will install an electric light plant in the mill, and furnish the town with light.

THE Ryan Commission Co., of St. Louis, whose elevator was recently destroyed by fire, are having an elevator erected of 500,000-bushels capacity, the cost of which is to be \$75,000.

F. H. PEAVEY & Co., of Minneapolis, have let a contract to Troman-hauser Bros. to build a grain elevator of 1,750,000 bushels capacity on a site purchased from the Northern Pacific Railroad company.

PALESTINE now boasts of several steam roller flour mills. Jerusalem, Jaffa and Gaza have each a small steam mill, and lately two more have been built by German colonists on the coast between Jaffa and Gaza.

THE T. B. Hawkes Milling Co., at Royalton, Minn., has let the contract to remodel their mill to the Edw. P. Allis Co., and will increase the capacity to 300 barrels. They will also add a 50-barrel rye outfit at the same time.

D. F. Chandler, manager of the Osakis mill, recently destroyed by fire at Osakis, Minn., will rebuild the mill. The village of Osakis has offered a bonus of \$3,000 and the work of rebuilding will be commenced at once.

THE developments of the milling industry in Oklahoma is keeping even pace with that of wheat production. Tecumseh, Nobles, Moore, Choctaw City, El Reno and Oklahoma City all have new mills, and more are being projected.

THE Bosch-Ryan Grain Company, of Davenport, Ia., has let contracts for the erection on Sylvan Island, Moline, Ill., of a \$50,000 grain elevator and malt house. The former is to have a capacity of 15 cars daily, and the latter of 200,000 bushels per year.

THE Farmer's Alliance and Industrial Union is preparing to build a flouring mill at some point in the Palouse country, having a daily capacity of 150 bbls. The location is not yet decided upon, but it will be either Garfield, Pullman or Oakesdale, Wash.

THE sum of \$1,500 has been subscribed by the farmers in the vicinity of Lake City, Minn., toward the building of a co-operative grain warehouse in that city, and work upon it will be commenced as soon as a site can be secured from the railway company.

A 50-barrel flour mill is to be built at Pima, Ariz., by J. H. Nuttall; one at Pilger, Neb., by C. W. Wagener; one at Dawson, Neb., by the Dawson Milling Association; a 60-barrel mill at Howard's Grove, Wis., by Sprenger Bros.; and one at Whitewood, S.D., by Mitchell and Robinson.

FLOODS caused by the recent heavy rain-fall carried away the dam and sluices of Mr. Narcisse Garipey's flour mill at Baie St. Paul, Que. The ground on which his buildings stand was also greatly damaged by the torrent. The dam of Messrs. Bovin & Glasgow's flour mill was also greatly damaged.

THE chinch bug infection which is being experimented with by C. L. Roos, of the New Ulm, Minn., roller mill is succeeding nicely. It is three days since the bugs were placed in the box (June 12.) and fully 3,000 are now coated over with the deadly spores. The first damp day will see them running loose in the fields, but the rain which is needed so badly does not come.

A MEETING of the board of directors of the Zumbrota Farmer's Elevator Company was held at Zumbrota, Minn. Computations as to the cost of an elevator with furnishings complete, were presented by a number of firms; no definite action was taken at that time. As yet not enough stock has been subscribed.

THE American Cereal Company, of Chicago, June 16, purchased the Queen Bee mill, at Sioux Falls, S.D., which has been idle several years. They will operate it as soon as possible to manufacture cereal foods. The mill is one of the largest in the county, and will furnish work for 200 men from the start. The consideration was \$50,000.

THE boilers of the Wells roller mills at Wells, Minn., exploded June 19, instantly killing Geo. Baer, the engineer, and completely demolishing the coal houses of the mill and the engines, and damaging the machinery of the mill to a great extent. Mr. Ketzback, the manager, estimates the loss at from \$6,000 to \$8,000. The mill will probably be repaired at once.

DANIEL WEIDNER's mill, along the Swatara Creek, in Bethel Township, Berks County, Pa., entirely collapsed on the morning of the 28th ult., leaving nothing but a heap of stones. Fortunately, no one was hurt. This ancient mill was the oldest building in northern Berks Co. It was erected about 145 years ago, and ground the grain of the early settlers of the county for miles around. It is believed that the heavy rain undermined the foundation.

FRANK ORBIN & J. T. BIBB, composing the Tacoma Grain Company Tacoma, Wash., have purchased of the receiver of the Northern Pacific Elevator Company the 39 elevators belonging to the Northern Pacific system in the northwest. Thirty-eight elevators, with a capacity of 6,000,000 bushels, are located in Idaho and in Spokane, Lincoln and Whitman counties, Wash., the terminal elevator, 750,000 bushels, being located in Tacoma. Last year these elevators shipped 2,900,000 bushels of wheat.

WORK was commenced May 24th on the foundation for the boiler plant and engine house, to be built for the big engine to be put in adjoining the Washburn A mill. The engine is of a marine type, and one of the largest of its kind ever designed, and it is well known from having been on exhibition at the World's Fair last summer. The entire contract for erecting the 2½-story building for the engine and boiler plant has been awarded to H. Downs & Son. Dimensions of the building are about 60x120 feet. —Minneapolis Tribune.

J. M. FORBES, of Duluth, receiver of the Red River Valley Elevator Co., opened bids June 6th, for the purchase of the property of the company. This consists of 48 elevators along the lines of the Great Northern in Minnesota and North Dakota. The bids were as follows: A. B. Robbins of Minneapolis, \$143,000; St. Anthony and Dakota Elevator Company, \$151,000; Ernest Thompson of Minneapolis, \$161,000; John W. Adams of St. Paul, \$176,000; C. W. Van Duzen of Minneapolis, \$180,000. The bids will be submitted to the district court of Ramsey county.

THE Monarch Elevator Co., a part of the Peavey system, has decided to erect an immense annex to their elevator at Thirty-fourth street and Snelling avenue south, upon the Milwaukee tracks, and work will be begun at once. The annex will have a capacity of 1,000,000 bushels, and will greatly reduce the crowded condition of the elevators of this company in the city and adjacent territory. The new annex will be of the most modern construction and will cost in the neighborhood of \$75,000.

The contract was awarded yesterday to the Honstain Construction Co.—Minneapolis Tribune, May 30.

D. W. HINES and some other farmers, living near the boundary line in North Dakota, away from railroads, will organize a company and build a road themselves, taking stock for their work. Their right-of-way they will get for almost nothing, each farmer giving it over his property. The road contemplated is to be built from Thief River Falls on the proposed extension of the Duluth & Winnipeg westward through Warren, Drayton, St. Thomas, Cavalier, Tina, Olga, past the Turtle mountains to Portle on the Soo line where the soft coal mines would be tapped. This branch would be 265 miles long. This summer it will be begun at Drayton and about 40 miles completed. This will give a connection with the Northern Pacific, and Mr. Hines says from 4,000,000 to 5,000,000 bushels of wheat will go over it this summer.—Market Record.

THE C. & C. roller mills, of Spokane, Wash., intend to increase the capacity of its mill from 300 to 500 barrels daily capacity. The mill is one of the best on the northwest coast and is doing one of the largest business in this country, and recently have gone into the export trade for China shipments. Mr. W. S. Norman, secretary of the company, stated to a press representative recently that: "Our mill is the only one in Spokane exporting flour at present, our greatest competitor being the Portland flouring mills; but of late the C. & C. has gained rapidly on the Portland shipper due to the class of flour made by us. Our kiln-dried wheat was what seems to have been the principal benefit, and for this purpose it was a grand success. In Calcutta and tropical climes flour is often afflicted with weevil; but the kiln-drying process has cured our wheat to such an extent that weevil in our flour is something unknown, and the result has been that dealers have been clamoring for our brands. Our private brands are now so popular over there that we have been requested to manufacture special brands for dealers there.—Commercial Review.

Mill Fires.

DOHERTY's grist mill at Campbellton, Ont., was recently destroyed by fire.

W. J. HAWKS' elevator at Buffalo, N. D., burned June 22d. Loss \$3,000; insurance \$2,500.

THE Northern Pacific elevator, at Cheney, Wash., was destroyed by fire June 4th, together with 7,000 bushels of wheat.

THE flouring mills of the Ohio City Milling Company, at Ohio City, O., were destroyed by fire May 30. Loss \$10,000; insurance \$5,000.

THE elevator and mills of the Washburn Milling Company, at Danville, Ill., were destroyed by fire June 1st. Loss \$40,000; insurance \$22,000.

THE grist mill of Mr. David Levi at St. Paul, S. C., was destroyed by fire June 16th, together with engine room. Loss \$2,000; no insurance.

THE Pierre, S. D., flouring mills burned June 12, causing a loss of about \$15,000. The insurance was \$4,500 in the Millers' Mutual of Minneapolis.

THE roller mill of the Henry Milling Co., at Henry, Tenn., owned by Blanchard & Co., burned June 11th. Loss \$10,000; insurance \$3,500. Cause unknown.

THE Eureka flouring mills, Caladonia, O., owned and operated by Noah Lee and Silas J. Hipsher, burned May 24th. Loss \$20,000, with \$7,000 insurance.

THE elevator of the Central Elevator Company, Humboldt Ia., 100 tons of hay, and several buildings were destroyed by fire June 1st. Loss \$12,000; insurance \$3,000.

J. SEGUIN & CO.'s flour mill at Farmington, Que., burned June 16. Loss \$11,000; insurance \$4,000. The machinery, together with 800 bushels of wheat and other grain, were destroyed.

THE extensive mill plant of W. L. Matthews, at Marlette, Mich., consisting of flour mill, split pea and oat meal mill and elevator, was destroyed by fire June 11th. Loss \$40,000; no insurance.

THE grain and hay warehouse of S. K. Chambers & Bro., at Elkview, Pa., burned June 18, together with 100 tons of hay, 3,500 bushels of wheat and a quantity of other grain and machinery. Partially insured.

THE Greenville elevator at Greenville, Ill., belonging to Adolph Brenchard, burned June 10. Loss on building \$12,000; on grain \$6,000; insurance, \$4,000 on building, and \$5,000 on stock. Several coal cars belonging to the Vandalia line were also burned.

THE flour mill at Joliet, Ill., owned by Lewis H. Ingalls of that city, John Norton of Lockport, and Chicago capitalists, was destroyed by fire May 24. Building and machinery valued at \$60,000; total loss, with \$2,000 insurance. The flour, wheat, and fixtures were owned by Louis H. Hyde. Loss \$15,000.

THE Hubbard & Palmer and the Minnesota & Western elevators at Slayton, Minn., were burned June 6. The fire was set by incendiaries, and was the fourth attempt to burn them in the last three days. A notice was posted on one of them, stating that the elevators would be burned for revenge. The village council has offered a reward of \$200 for the guilty party. There was no wind, or the town would have been destroyed.

THE three-story roller mill of the Dodge Milling Co., at Williamsville, N. Y., burned June 15th. The loss cannot be less than \$75,000; insurance \$30,000. The owners were Henry Dodge of Williamsville and Leonard Dodge of Buffalo. The former entered the burning building to turn on the water supply to extinguish the flames and has not since been seen. The origin of the fire is a mystery, but is supposed to have resulted from a boiler explosion or spontaneous combustion.

CAN BRITAIN EXPORT FLOUR?

Under this caption "The Miller" London, in its June issue has the following to say: "In the present issue will be found an article, by Mr. W. T. Bates, in which it is suggested that British millers, instead of hustling and jostling each other in the pursuit of little orders in this little country, should look abroad for markets in which to compete with the merchant millers of the United States. Seeing that British millers can often, though not always, command good wheat at a low price, and taking into account the excellence of the mechanical equipment of their mills, there should be no insuperable bar to the exportation of British flour. But it must be remembered that good La Plata wheat at less than 20s. a quarter is not likely to be always on hand; the present position of the corn trade is absolutely without precedent. As

for competing for the Brazil trade, we should have to meet there a triple host of formidable foes from the United States, from Hungary and from Argentina, for it should not be forgotten that that land not only produces good and cheap wheat, but is furnished with many well-equipped merchant mills. India, China and Japan seem more likely to reward the enterprise of the British miller; with the two first countries a brisk trade has of late years sprung up from the Pacific coast. For the rest a thirst to get into your neighbor's territory, as millers put it, is not peculiar to the flour makers of this country. The United States sent us in the 10 months which ended on April 30th last, 13,945,632 barrels, against 13,808,298 in the corresponding period of 1892-1893, figures which show no diminution in our receipts of American flour. The Winter Wheat Millers League, an Association of American merchant millers, formed for the express object of promoting the expansion of the foreign markets, held their second meeting at Cincinnati, on May 16 last. The annual report showed that the total number of members was 156, with a daily capacity of 40,700 bbls. (28,490 sacks). The annual Congress of Russian millers, an institution held under Government supervision, and patronage is to meet at the end of next November. This Congress was organized by the Ministry of Finance for the purpose of promoting an export trade in Russian flour, and its postponement from May, in which month it was due, till November, was owing to the unpromising present outlook in the flour trade of all lands."

WASHINGTON

And the Beautiful Virginias via Indianapolis, Cincinnati and Big Four Route.

Here are a few facts, which left for your own consideration and conservative judgment will bring but one conclusion: "The Best Line."

The magnificent trains of the Big Four Route leave the new Central Station, Chicago, daily passing through La Fayette and Indianapolis to Cincinnati, where in the Central Union Station, direct connections are made with all trains of the Chesapeake & Ohio, Queen & Crescent Route, Louisville & Nashville Railway and B. & O. S. W. Railway, extending in every direction south and southeast, a feature enjoyed by no other line. From Indianapolis Through Palace Sleeping Cars run daily to Washington, D. C., via Chesapeake & Ohio Railway, through the picturesque and historic Virginias, whose beautiful mountain scenery make the trip so intensely interesting, that only one regret is possible—the trip is so short.

Are you going to any point in Virginia? Are you going to Washington? This is your route.

When you purchase your ticket, see that it reads via Big Four and Chesapeake & Ohio Railways.

E. O. MCCORMICK, D. B. MARTIN,
Pas. Traf. Mgr. (Gen. Pas. & Tkt. Agt.)

AMERICA'S MOST UNIQUE AND ATTRACTIVE ILLUSTRATED MONTHLY. HOME AND COUNTRY MAGAZINE

Published at 53 E. 10th St., N. Y. City.

FOR EVERY MEMBER OF EVERY FAMILY.
25 CENTS A COPY. BY THE YEAR, \$2.50.
Entertaining, Instructive, Profusely and Artistically Illustrated.

Wide in Its Scope.

Liberal in Its Views.

Pure in Its Morals.

Advanced in Its Teachings.

Religious in Its Sentiments.

HELPMATE TO MAN,
COMPANION FOR WOMAN,
WELCOME FRIEND TO ALL.

Americanism is infused into its columns.
Science is popularly treated.
Dress, Fashion and Domestic Economy by popular contributors.
Business Articles in its columns valuable to all who work for a livelihood.
Fiction: Its stories, profusely illustrated, by the best authors, are complete in each number.
Poetry: Travel; Adventure.



From "Dress and Its Science."

Amongst the Well-known Authors who Contribute to "Home and Country Magazine" are:

CHAS. F. DEEMS, D.D., LL.D.,
MRS. HENRY WARD BEECHER,
HEZEKIAH BUTTERWORTH,
ELLA WHEELER WILCOX,
Prof. JOHN CLARK RIDPATH,
CHARLOTTE W. HAWES,

T. V. POWDERLY,
ELIZABETH CARDOZA,
JOEL BENTON,
Com. and Mrs. BALLINGTON BOOTH,
Gen. JOSEPH A. NUNEZ,
And a Host of Others.

Desirable Agents Wanted in Every Locality.

PATENTS

FOR INVENTIONS.

Equal with the interest of those having claims against the government is that of INVENTORS, who often lose the benefit of valuable inventions because of the incompetency or inattention of the attorneys employed to obtain their patents. Too much care cannot be exercised in employing competent and reliable solicitors to procure patents, for the value of a patent depends greatly, if not entirely, upon the care and skill of the attorney.

With the view of protecting inventors from worthless or careless attorneys, and of seeing that inventions are well protected by valid patents, we have retained counsel expert in patent practice, and therefore are prepared to

Obtain Patents in the United States and all Foreign Countries, Conduct Interferences, Make Special Examinations, Prosecute Rejected Cases, Register Trade-Marks and Copyrights, Render Opinions as to Scope and Validity of Patents, Prosecute and Defend Infringement Suits, Etc., Etc.

If you have an invention on hand send a sketch or photograph thereof, together with a brief description of the important features, and you will be at once advised as to the best course to pursue. Models are seldom necessary. If others are infringing on your rights, or if you are charged with infringement by others, submit the matter to us for a reliable OPINION before acting on the matter.

THE PRESS CLAIMS COMPANY,
618 F STREET, NORTHWEST, WASHINGTON, D. C.
P. O. BOX 463.
JOHN WEDDERBURN, Managing Attorney.

Cut this out and send it with your inquiry.

Would You Like to Know

The secrets of success of the best farmers, breeders and fruit-growers in the country?

The latest and most reliable scientific and practical experiments in every line of agricultural progress?

The results of experiments made with the new fruits and plants that have been put on the market for the last 20 years?

That you could have the best practical and scientific information on any subject about which you care to inquire free of charge?

YOU CAN HAVE ALL THIS, AND MUCH MORE, IF YOU READ

The Rural New-Yorker,

The best and most reliable of all farm papers. The subscription price of this illustrated paper is now only \$1 a year (52 issues), lately reduced from \$2. Don't take our word alone for this. Here is a sample letter—

I am not (in your time) an old subscriber, though I did take The R. N.-Y. many years ago, when it cost \$3.50 to get it; but I find it a much better paper now than then. So long as I am able to feed a cow or a hen, I don't propose to be without it.

Holland, Mich.

FRANC M. HARVEY.

We have made arrangements to send it and THE UNITED STATES MILLER for one year for \$1.50. For Sample Copy address

The Rural New-Yorker, New York.



S. H. SEAMANS, PUBLISHER.

PUBLISHED MONTHLY.
OFFICE:

68-C MITCHELL BUILDING, MILWAUKEE
Subscription Price—Per Year, in Advance:
To American subscribers, postage prepaid.....\$1.00
To Canadian subscribers, postage prepaid.....1.00
Foreign subscriptions.....5s
All Drafts and Post-Office Money Orders must be made payable to THE UNITED STATES MILLER.

Bills for advertising will be sent monthly unless otherwise agreed upon.
For estimates for advertising, address the UNITED STATES MILLER.

[Entered at the Post-Office at Milwaukee, Wis., as mail matter of the second class.]

MILWAUKEE, JUNE, 1894.

We respectfully request our readers when they write to persons or firms advertising in this paper, to mention that their advertisement was seen in the UNITED STATES MILLER. You will thereby oblige not only this paper, but the advertisers.

Editorial.

THE MILLERS' NATIONAL ASSOCIATION.

THE late meeting of the Millers' National Association at Chicago was a business meeting pure and simple, the representation in point of capacity was large, and the business before the meeting was speedily accomplished. The new officers are full of enthusiasm and hope to be able to infuse some of it into their brother millers throughout the milling states, and desire to make the association what it should be, national in fact as well as name. It is, however, necessary that they should have the aid and co-operation of every merchant miller in the country. We believe millers outside of the association have in a measure been misled as to the value of the national association and the work it has accomplished not only for its members but the outsider as well.

A national organization is a necessity to millers, they may not feel the need or see the desirability of it directly to themselves individually for the reason they do not come in direct contact with the benefits, the average miller must have his purse pulled before he gives the question much thought, but when his pocket is touched, he

then begins to look around for relief, and the association is sought. Now there should be patriotism enough in the make up of every miller to induce him to join the representative association of his guild, and assist in making it what it should be, if it is not already to his liking, for all objectionable features can be removed and all improvements, benefits, or changes, made while a member, that the majority may approve, inside the association better than by dropping out. The tax is a very light one and the benefits whatever the members desire to make them. We trust the new officers will be encouraged by a large increase in membership and a greater interest taken by all members of the association the present year.

INSURANCE CONTRACT.

At a meeting of the Southern Illinois millers a grievance was presented by Mr. Neal of the Jackson Co., Ill., Milling Co.

Mr. Neal lost his mill by fire, on which there was \$17,500 insurance, only \$2,500 of which he was able to collect. The Millers' National, Illinois Millers Association and the Indiana Millers refusing to pay on the ground that it was a part of the contract that the assured was to keep a watchman, the assured on the other hand claiming to have had no such understanding with the company and that requirement was inserted without his knowledge or consent. To this point it would seem, that Mr. Neal's relief would be at law, unless he expects the Southern Illinois Millers' Association to assist him in the prosecution of a suit. Whether he does, or does not, the action taken by the association upon the resolution of Mr. Cole would seem to us very much out of place, as the companies will stand upon their contract, having once refused to pay by reason of breach of contract cannot consistently void the breach, and now come in and pay because an association has resolved they should do so, hence such resolutions are without force and bad taste. While we know nothing about the case further than reported in the proceedings, we believe Mr. Neal, if he can sustain his

statements, would have a very good case in court.

This circumstance brings to mind the burning of the Saxon & Thompson mill at Lockport, N. Y., a case where the mill was left alone for 2 or 3 hours between watches and during that absence the mill took fire and was totally consumed. Most of the companies in this case compromised at 50 cents on the dollar, which was satisfactory to Mr. Saxon. One of the larger companies, however, refused to pay. If Mr. Neal will write Mr. S. B. Saxon, Troy, N. Y., he can get full particulars of how Mr. Saxon was treated in that case.

If Mr. Neal agreed in his application to keep a watchman at fixed periods and the rate was based upon that requirement, and he failed to do so, the consequences are his unless he can show that the absence of a watchman did not contribute to the loss. Or if he signed the application without reading it and fully inform himself as to the document he was signing he does not thereby relieve himself of responsibility, and the lesson, though an expensive one, may be worth to him all it cost.

THE POTATO CROP.

PROBABLY never before in the history of the country, was there such an immense acreage of potatoes as there is at present. Go where you will north, south, east or west—potatoes, potatoes, potatoes. In Nebraska some planters have put in as high as 150 acres while plantations of 50 to 100 acres are common. Farmers who usually plant $\frac{1}{4}$ to $\frac{1}{2}$ acre of potatoes have now from 2 to 20 acres. With such an enormous outturn of potatoes prices must rule correspondingly low, hence will be used more freely than ever to help out the food ration. In view of these facts less wheat will be used, and unless a distressing failure in some foreign countries of the wheat and rye crop, it would look as if the price for wheat would not be likely to soar very high, notwithstanding the short crop outlook that confronts us, whenever flour has reached more than an average price. Potatoes have always reduced its consumption in a remarkable degree and we see no rea-

son why it will not be affected in like manner if the present outlook for the potato crop is maintained to their harvest time.

A CHICAGO special gives the particulars of a contemplated boycott of Washburn, Crosby & Co's flour. While we know little of the merits of the case beyond as stated in the dispatch, we apprehend the effect of this boycott will prove a boom-erang. The American public like to see fair play, and their sympathies will be in favor of the mill which is giving employment to men who are willing and anxious to work at the terms the mill is willing to pay, and particularly as the work to be done is to enable the poorer classes to buy a high quality of flour in very small quantities, and at the lowest possible price. It is not the well-to-do that buy flour in such packages, but the people whose incomes from day to day has to be spread out to cover the wants of the household flour included. By the way, it looks to us that the boycott is being used altogether too freely and to that extent that the public is getting tired of it, and their sympathies are not with it. The method of boycotting, aside from its illegality is a very dangerous weapon and should only be used in very extreme cases, if at all, but the use of it upon the slightest provocation to remedy every little grievance that may arise from any difference between employer and employees seldom damages the employer to any extent, in fact often times inures to his benefit, not so with the employee; the loss of position, time and wages are to him a serious matter, and from which it takes him a long time to recover, to say nothing of the bad blood engendered.

WE would call the attention of readers to the advertisement of Wm. Kueker, Fari-bault, Minn., in our "For Sale" column. Intending purchasers of mill property will do well to address him regarding this property.

SEND for a copy of the new edition of the "Riverside Flour Cable Code." Address Riverside Printing Co., Milwaukee.

Correspondence.

[The following letters are all from our own special correspondents, and reflect their views and the views of the trade in the location from which they write.]

NEW YORK.

A Month of Stagnation, Ending in a Boom, on Crop Damage and Bad Weather West, Rather Than Improved Demand For the Old Crop Surplus Which Still Hangs Over Market.—Oats and Corn Pulling Up Wheat. Europe Following Advance But Not Buying.—Argentine Competition Checked by Decline in Its Gold Premium, But Russian Offerings Heavy.

THE past month has been one of continued stagnation and deeper depression than any other previous one, on the crop, with lower records for both wheat and flour, until the last week of the period under review, or the first week in June, when the trade was seized by another crop scare, as bad as the one in March, and more extended, embracing the whole grain list, by which prices were sent up 3c in a day on wheat and oats and nearly as much on corn. In the activity and excitement, flour too was caught up, and we have had the most active three days in months, if not on the crop. But it did not come any too soon to save the weakened backs of the Bulls and holders of both flour and wheat, at home and abroad, while it was a Godsend to the long suffering millers of this country, who have been compelled to sit down on their stocks, for months back and see the English millers with cheaper Argentine wheats getting away their export trade, while home demand has been less, rather than greater, on account of the low prices, because of the bad times. Failures in the grain trade of Argentine and of England had already commenced before the upturn in prices, and more and larger ones were feared and rumored, adding to the depths of this crop's depression, which had been reached in the last week of May.

It was with a sigh of relief that the few remaining bulls greeted the reaction, but many of them did not dare wait long enough to get its full benefit, although the market advanced suddenly and rapidly enough, after it had gotten once fairly turned upward. But it took some time to do this, for the reason that the longs realized on every advance, fearing it would be the last, and that the market would get away from them as it had done on the previous crop scares of this year. For, even the Bulls, had lost faith in any radical and permanent advance in wheat on this crop; and, a flour man who dared express and back a belief that flour could ever do better, was "jumped on" by sellers at concessions, until there was scarcely a buyer left who dare take a thousand bbls.

a time, unless he had a place to put it on an old contract at higher prices as some jobbers have been going short of the market, after losing money on the long side for nearly two years, until they were getting shaky financially, excepting the larger houses. But it took a 3c advance in wheat in one day, to

LIFT FLOUR OUT OF THIS SLOUGH OF DESPOND

and finally scare in these doubting Thomases of the trade; and, even then, those who did not "get afraid" on the first day of this sensational advance and "get in" near the previous bottom prices, refused to "come in out of the cold," until nearly as much more had been gained for wheat. The result was, three days of active trade, especially in spring patents, which had been the deadest and most unsalable thing in the market for months and the market, having settled to 3.50 for good flours of well known brands, when any body had to sell 1000 bbls. or more, although more of the standard to choice brands were held 10 and 20c higher than that, but without selling even in job lots; for, the trade was supplied by old purchasers, to arrive on the opening of navigation, made on the last wheat crop scare in March at \$3.65 @ \$3.75. For weeks, \$3.50 was the best lead that could be gotten for a round lot of any thing but one or two top brands which most mills refused; and hence, for three weeks, before the last, there was absolutely not enough done in patents from day to day to establish jobbing quotations even.

But there had been a fair jobbing and considerable West India trade in winter wheat straights, since the bituminous coal strike and famine in the West had shut down many winter wheat mills and reduced the supply of their flours. In the meantime, however, the almost utter lack of demand for low grade winters for export had depressed them to \$2.00 and under in sacks for No. 2 and \$2.20 @ \$2.25 for No. 1, at which a speculative demand sprung up and cleared the market up to \$2.20 @ \$2.25 in bbls. and \$2.35 @ 2.40 respectively. This happened the last week in May and still further firmed up winter straights from the bottom until those advanced from \$2.70 @ 2.80 to \$2.80 @ 2.90 for good to standard brands and \$3.00 @ 3.10 in fancy genuine straights at the close. Low winters firmed up about 10c also on the past week's boom in wheat; and patent springs gained 10 @ 15c from the bottom with winters dull at \$3.00 @ 3.30 against \$2.90 @ 3.20 on the bottom. Spring patents are now \$3.70 @ 3.90 that were \$3.60 @ 3.75 and unsalable at that except in occasional car lots.

HIGH PRICES OF FEED STUFFS.

Low springs have been slack as a rule, for since the return of pasture in England the export demand for feed had fallen off until prices had reached \$1.50 for fair in sacks at which Grinnell, Minturn & Co. took a lot of 25,000 sacks two weeks ago for the English markets. At the close, however, they are held higher at \$1.60 @ 1.65 on lighter offerings as the supply of mill feed West has been reduced by the coal famine and shutting down of mills while the consumption at the West and all over, has been increased, as well as for mill feed, by the abnormally high prices of oats which have gone in this market to \$30.00 per ton; when wheat was selling at \$20.00, corn at \$19.00, and mill feed at \$16.00, though all but feed are now higher. This great disparity between the natural relative prices of feed and food stuffs, is already having its effect on the meat as well as flour market; and the strength of both comes from the bottom and not the top priced stuffs. This is one of the most healthy points in the situation, and may outweigh or offset at least, the heavy supplies of wheat and flour; for, wheat is being used for feed as well as low flours throughout the country, at current prices for oats and corn; not only where the latter are scarce at interior points, but at the seaboard where it is cheaper as shown above.

MIXING WHEAT WITH OATS.

Even here in New York feed dealers are buying No. 2 Red wheat and mixing 15 per cent with oats and the horses don't resent it, as yet, although the mules are said to be kicking. But neither have as much to say about what they like or the price for it, as before the substitution of cable for our 5000 car horses in New York the past year; and, of trolly, for a still larger line in Brooklyn, which has cut down the feed trade of this city very severely the past year. Yet the demand for feed stuffs for export has more than offset this and enabled the city mills to keep up their mill feed prices between 75c and \$1.00 the whole year and sold ahead all the time at that. The bearing of this position of feed stuffs on wheat is very important and will continue the balance of this crop year to the advantage of wheat and flour, though conditions on another crop are liable to be modified, so far at least, as the export demand is concerned, though the outlook for the oat crop in this country is apparently bad and much more than for wheat. Corn, on the other hand, under favorable weather conditions, is likely to make up the oat deficit, as the acreage is largely increased this year,

although it will not be available for the next six months to any general extent. The hay crop is also a factor that may help restore the old equilibrium between feed and food prices on the next crop.

THE PROSPECTS OF EXPORT DEMAND for our wheat and flour for the balance of this crop are not brilliant. On the late extreme depression, prices did not seem to stimulate demand in the least. Rather, the European and other exporting markets seemed to run away from ours, as supplies were in excess of spot or near future demand, while there is no longer anybody bold enough and with money enough to shoulder this heavy spot load and carry it through hot weather, with much wheat in Chicago in doubtful condition, if not here, on the still uncertain prospects of a short crop here.

As Europe did not come in when prices were much lower, it is not expected she will at the present range of prices, so long as she has ample spot and future supplies and knows plenty of places where she can get more whenever she wants them at her own prices. This is the way she looks at the situation and hence has not changed her position towards the market. The shorts were the chief source of the demand which caused this late sharp advance and Partridge, the largest and last of them, is supposed to have covered at this writing. Unless these long or export buying therefore, this last advance can scarcely be maintained unless the holders of the big stocks here and in other countries are willing to speculate by carrying them into another crop. The gold premium in Argentine has lately fallen so sharply as to stop sales from that country, and this has made the European markets more responsive to ours than usual. But there is plenty of wheat in that country still and it will come out so soon as her exchanges are more settled, while Russia has an enormous surplus kept back awaiting the new commercial treaty with Germany by which her surplus could be disposed of there. This will supply that country and keep her out of our market. In fact it accounts for Berlin being one of the weakest markets in Europe of late.

A REACTION SEEMS DUE,

therefore, at the close, after such an excited and active advance and we are liable to relapse into a dull heavy market in the near future, as hot weather must soon succeed this cold spring when the trade will want but little, nor want that little "long" at least, while the 5,000,000 bushels of doubtful or "unsound" No. 2 Red

wheat (as samples of it sent our grain inspector have been pronounced), remains on the market in Chicago, for which the carriers are seeking a market abroad, and, so far have been unable to find one, while it is not suitable for milling at home. This is mixed wheat and old wheat carried for the charges, until it is doubtful if it can be carried through hot weather. In fact part is being and has been shipped to Buffalo already, while shippers dare not buy in Chicago, for anyone who does will get this poor wheat before any of the 15,000,000 good wheat there will be delivered on contract.

NEW YORK, June 9th.

BUFFALO.

THE John T. Noye Manufacturing Co. is gradually taking back its old hands, laid off in the days of trouble, and will be running full blast in a short time. This will be good news to those who have had anything to do with that strictly reliable old firm.

Patten Bros., of Chicago, have gone out of business. Mr. George H. Wolcott, who has been with them for the past six years as the Buffalo representative, will continue the business on his own account.

It is quietly working, that scheme to list telephots stock. After that is accomplished quotations on "wheels" will be posted on the big stock board on 'change. Then the Sandheath combination will retire from business, having amassed a fortune. That's the way the wheels are turning this month.

That Imperial Mill advertisement of "twenty more loaves of bread to the barrel than any other flour," has awakened our millers, as the whole city has been flooded with circulars to that effect. But you can't get the millers here to fight what they know is a ridiculous statement.

Mr. Riley Pratt packed up his belongings the other day and skipped out, without saying where he was going. Several weddings among the members of the exchange lately, and the absence of A. Safford makes his departure look suspicious. He's sly and slicked; devilish.

It was no surprise to those who knew all about the construction of the Eastern elevator to hear an action had been brought against the contractors. Damages are placed at \$49,600. The builders were James Stewart & Co., a St. Louis firm. The plaintiffs allege that by reason of the failure to complete the elevator in the time specified, they suffered great pecuniary loss, that parts of the machinery are imperfect and valueless, and that the contractors undertook to

replace any parts of the structure imperfect, or too weak for its purpose. This will make interesting reading for all hands when the trial comes off.

The elevator war goes on merrily. It is instructive, as it shows to what foolish ends competition will drive legitimate trade. In the first place the floaters got to cutting each others throats, and when trade fell off the rate of transferring from vessel to canal boat was down to what you could get, about $\frac{1}{8}$ c per bus. This continued peeling of a shaving could not last always, and so the regular elevators took a hand in the fight, scattering the poodles and getting the well-gnawed bone.

The campaign was put in the hands of one of the most stubborn elevator owners in the association, and as he has a free hand there can be only one result, the defeat of the floaters and the resumption of a fair and just rate. It may be argued that Tom Ryan, the great ring "buster," is also a notoriously good fighter, but when Tom gets to facing the fact that he cannot transfer grain for nothing and pay a premium for the privilege of doing it, he will wink the other eye.

No. 2 red winter wheat sold in this market at the beginning of the month for 54 $\frac{1}{2}$ c. At that price and up to 56c there was a good demand, but when 58@60c was asked millers refused to look at it. The difference between spring and winter is 10c per bushel, certainly large enough to make a change and see how it will work.

Patent Spring flour sold at \$3.80-3.90, and during the spurt of June 8th no advance was made, in fact it was hard work to sell at those figures. Winters sold at \$3.25-3.45 for best family grades. Rye flour, owing to the advance in that cereal, was held at \$3.00.

The Robinson Feed Co., of Milwaukee, did not stop long in Buffalo. There is little show for new-comers in that field here.

The Schoellkopf Hydraulic Canal Co. is supplying their factories at the Falls with electric power. It's an immense success.

Lake line managers have organized a Lake Carrier's Association on the same lines as the Western Traffic Association, and appointed Mr. Henry C. French commissioner. With that gentleman at the head there is no doubt of some agreement being reached on east-bound package freight. When flour can be shipped at 10c per 100 lbs. from the Northwest to New York, and the rate from Buffalo to the East is 13c, there is need for a commissioner with ample ability to cope with such tremendous discrimination,

and Mr. French possesses all the requirements.

Strikes and fights are the rule this dull year. The railroads are not carrying away enough grain to pay a weighman, owing to the cut in elevator rates. The grain, as it comes from the vessel, is run into the hopper and out again into canal boats. Not a kernel is allowed to get inside of the house and as this could not be done in transferring from vessel to cars, the roads have a dull time of it. The prospects, however, are that something will be done before the month closes towards evening up this thing.

Farmers in this state say there will be no wheat to harvest. The wet, cold weather has given the straw an unusual growth and much of it is rotten. You can't tell much about what the honest granger says, but as some of these reports come from city owners, there may be three-quarters of an average crop.

Mr. F. J. Sawyer is in the old country again and is likely to make this a much longer visit than the last. Mr. Sawyer is one of those who keeps his word. Others on their return from the first trip to Europe are certain they will visit there the year following, but alas, this country seems good enough for them long before the time comes for starting again.

The site of the Chester mill at Lockport, has been sold and all thoughts of another mill there have been abandoned. So says a big miller in that city.

The through-billing arrangement secured by the Car-Grain Association, of Buffalo, is, as far as working wonders for the trade here, a flat failure. Later on, perhaps, it will have its effect. There is one thing about it which is worth mentioning and that is there are no "snaps" now for one or two Western agents; we are all equal, and that's a blessing. Not a blessing, however, for freight agents, as they are being worked to death to give these "snap men" a little advantage not enjoyed by the others and it makes life miserable. Will the "snaps" succeed?

Mr. A. R. James is fitting up his office in grand style, and proposes to have an office warming as soon as it is completed. This would be something new in the building; to invite the members of the Exchange to inspect an office. The inspection of an office is usually an impromptu affair. A motion is made, during a lull in business, to look over so and so's new furnishings, and the crowd files to the office, turning things up side down when they reach there, if the occupant objects to their suggestions of changes in certain features. As a rule he saws wood. Miller James

will do the thing up brown no doubt, and I will see that a full report of the warming reaches the UNITED STATES MILLER.

It is either great foresight or extravagant recklessness to go on building elevators the way it is being done at this port. The new Coatsworth will be completed in a month, Kellogg & McDougall are getting out plans for another, and Col. C. Lee Able, owner of the Marine, will start to enlarge his house to double its capacity in a week or two. Is Buffalo to be the speculative centre, and Chicago wiped from the face of the earth, as Milwaukee was in that business? Stranger things have happened. It is either this or there will be some cheap elevator property for sale in Buffalo next year. There is no place on earth better situated for a speculative market than this.

J. H. Radebaugh, of Heinold & Radebaugh, went a fishing in the Adirondack mountains a week ago. Now, the gentle James going a fishing is ridiculous enough, but, when on his return, he says he did not catch a fish, it passes belief. Now, Os. Seymour always gets big fish, and brother Jacus invariably comes home with a big string. Honest James may live forever as an example to his brother anglers.

Harvey & Henry are running full blast at both mills. The rye mill is turning out its capacity and no trouble is found in disposing of it.

The Newman mill at Akron is running steadily, although its senior proprietor continues to grumble about hard times. W. P. Andrews is the only man who is not discouraged. He says the demand for "White Fawn" and "Akron Falls" were never better in country towns than during the last month, and there is no trouble in keeping his customers. In his opinion the prospects are surely improving.

Mr. M. L. Crittenden has taken Mr. George Watkins as assistant, in place of Robert Summers. The new man is a hustler in wheat, corn and oats, and as a barley salesman he has no peer.

Manager Flatley, of the Imperial Mill Co., is making a mighty effort to keep his brands before the people, and is having a serious time of it, with the sharp competition prevailing here at present. There never was so much flour for sale, nor such a variation in prices. Some of the stuff seems to be given away; a barrel with every five barrel purchase.

Mill-feed has been quiet and gradually weakened until last week, when western prices were advanced 50c. per ton, to meet the additional cost of transportation. Winter bran is

selling here at old prices, \$15.75, and spring, \$14.50, sacked.

Receipts and shipments since the opening of navigation to date, compare as follows:

LAKE RECEIPTS.				
Flour.	Wheat.	Corn.	Oats.	
1894...2,445,530	10,710,648	10,747,532	3,824,315	
1893...1,384,000	18,700,000	7,910,000	5,480,000	
SHIPMENTS CANAL.				
Wheat.	Corn.	Oats.	Rye.	
1894...5,340,000	3,641,360	480,000	33,900	
1893...6,329,000	1,350,100	24,000	135,800	
SHIPMENTS RAIL.				
Wheat.	Corn.	Oats.	Rye.	
1894...5,020,000	5,070,000	1,759,000	29,000	
1893...9,120,900	5,154,000	2,808,000	278,200	

DULUTH.

THE past month has been, taking it all in all, fairly satisfactory to the Duluth millers, although the tendency of the market was sluggish rather than active. In point of output the past four weeks have about equaled any previous four weeks in the history of flouring at the head of the lakes, and despite the slow market, business all along the line has been exceedingly brisk. During the last week in May the Imperial mill made an average run of 5,000 barrels a day, which, being done without crowding or an attempt to break records, shows something of the capacity of this mammoth mill whose easy capacity is 6,000 barrels a day. Scarcity of wheat and other causes will curtail the output of the mills somewhat this week, and for the remainder of the month, yet the outlook generally is favorable for a continuous and active business.

The mills in operation at this writing at the head of the lakes, are:

Name.	Location.	Capacity barrels.
Imperial.....	Duluth.....	6,000
Lake Superior.....	Superior.....	3,000
Anchor.....	Superior.....	2,000
Freeman.....	West Superior.....	2,000
Listman.....	Superior.....	2,482
Ninkota.....	West Superior.....	750
Duluth Roller.....	Duluth.....	450
Grand Republic.....	West Superior.....	2,500

Total daily capacity..... 19,182

The big spurt in grinding was made during the last half of May and first week in June to get off as much stuff as possible before the freight advance which took effect on June 7, on consignments to eastern points. During May the production of flour at Duluth and Superior, the receipts of flour and grain, as compared with May 1893, were as follows:

	1894.	1893.
Flour bbls. produced, Dul.	101,025	75,018
Sup. " "	173,361	74,800
" " received	742,045	476,713
Wheat, bus.	526,730	1,682,169
Corn, " "	38,455	
Oats, " "	40,255	
Rye, " "	1,549	

The shipments of flour and grain during May this year, as compared with May last, are as follows:

	1894.	1893.
Flour from Dul. bbls.	832,266	533,916
" " Sup. " "	178,063	
Wheat, bus.	2,746,791	7,527,061
Corn, " "	155,142	272,841
Oats, " "	6,679	
Rye, " "	10,000	11,833
Flaxseed " "		88,937

Last week the production of flour was 93,903 bbls. and there

were 180,364 bbls. received. For the week ending June 2, the flour output, receipts, shipments and stock were as follows:

	Receipts.	Shipped.	Stock.
bbls.	bbls.	bbls.	bbls.
Superior mills.....	59,255	29,112	13,888
Duluth mills.....	36,103	27,718	49,014
St. Paul & Duluth.....	32,771	70,998	46,650
Northern Pacific.....	8,920	22,620	14,820
Eastern Minnesota.....	38,478	104,923	63,150
C. St. P., M. & O.....	47,140	60,280	48,000
Totals.....	222,697	345,661	235,622

Quotations made this week at the mills for car or round lots, per bbl of 196 lbs. are:

First patents, in wood.....	\$3.35@3.45
Second patents, in wood.....	3.25@3.35
Fancy bakers', in wood.....	2.55@2.65
Export bakers', in wood.....	2.05@2.15
Low grades, in bags.....	1.30@1.50

A discount is made from flour in wood in favor of sacks as follows: On 280 and 140-lb jute bags and 98-lb cotton sacks, 20c; 49-lb cotton sack, 10c; paper sacks, 20c. In 24½-lb cotton sacks, the price is the same as in wood. In half barrels, 30c. extra is charged. When packages are furnished by the buyer 35c. is deducted from the price in wood.

The scarcity of coal and other causes have reduced the amount of tonnage offered and this has had a tendency to send the price of freights up, but now that the coal strike has been settled, and up cargoes will be resumed, it is thought that rates will be held somewhere at present quotations, if they do not decline. Still there is a stronger feeling in all branches of business in the northwest and the volume of freight, especially in iron ore, is being increased, and some of the vessel men think that it is not at all improbable that rates will be further advanced in harmony with the general strengthening of business.

But little wheat is now being received by the estimators and it is pretty well settled that the country bins are depleted. It is further pretty well settled that if the mills at the head of the lakes run at anything like their full capacities there will be a wheat famine before the new crop is ready to move. There is now scarcely 7,000,000 bushels of wheat in the elevators and the mills are drawing quite freely on this amount. By the first of August, at the present rate the mills will have consumed about 3,000,000 bushels, and the shipments will approximate 2,000,000 bushels a month. Prices must necessarily advance and the output of flour somewhat curtailed.

Rates for export stuffs have been held firm at the following quotations in cents per 100 lbs.: Amsterdam 20; Dundee 26; Glasgow 19; Hamburg 25.50; Liverpool 15.63; London 18.89; Rotterdam 20.50; Leith 23; Belfast 23.98. On Thursday of last week lake rates were restored to a basis of 17½c. per 100 pounds from Duluth to New York, and 20c. per 100 lbs.

from Minneapolis. The former rate was 15c. from Duluth and 17½c. from Minneapolis, the differential being 2½c. While the through rate has been advanced the differential remains the same, which is prejudicial to the millers here and will be the chief cause of the decrease in the output for the next few weeks.

A matter of considerable interest to shippers of grain and flour from Duluth, comes up from Congressman Baldwin. He writes, urging the Chamber of Commerce to immediate action relative to opposing the Chickering resolution pending in the house. This resolution provides for retaliatory measures against Canadian vessels to offset the charge made by the Canadian government on American vessels passing through the Welland canal. The resolution, it is agreed, is an extremely bad thing for Duluth and all the northwestern lake ports. The chamber will give the Congressman all the support at its command, and has sent in a protest against the proposed legislation.

Receiver Forbes is getting the affairs of the extensive Red River Valley Elevator Co. in shape. The creditors of these 48 elevators in Minnesota and Dakota will probably be paid in full. The liability of the company when the failure occurred was \$440,000, but assets were found and creditors paid \$175,000, leaving \$265,000 unpaid. Sealed bids were opened for the elevators as follows: A. B. Robbins, Minneapolis, \$143,000; St. Anthony and Dakota Elevator Co., \$151,000; Ernest Thompson, Minneapolis, \$161,000; John W. Adams, St. Paul, \$176,000; G. W. Van Dusen, Minneapolis, \$180,000. These bids have been submitted to the district court of Ramsey county. The Van Dusen-Harrington Co. will undoubtedly get the elevators. The prospects for the Northern Pacific creditors are less flattering. The liabilities at the time of the failure were \$1,090,000. A sale of wheat in the elevators realized \$345,000, which has been paid to creditors, leaving a balance due of \$750,000. The elevators in Idaho and Washington belonging to the company were sold a short time ago for \$63,500, leaving the elevators in Oregon, Minnesota and North Dakota undisposed of. They will probably be sold soon but a large deficit will be left unprovided for.

In these days of strikes, and unrest in the ranks of the employed, the profit sharing system of the Imperial mill ought to be studied with interest by both mill men and employees. The Imperial flouring mill is the largest and most successful flouring institution in the

country and may stand as a model in more than one respect. Manager B. C. Church of this mill, referring to the system, said that the company began, some three years ago, to divide each year certain sums of money taken from the net earnings of the mill, among the employees. The sums were called the employees' dividends. At first these sums were set aside by a vote of the stockholders, but last spring the plan was changed for a percentage basis plan. "In apportioning these dividends," said Mr. Church, "the principal facts taken into consideration are the length of service with the company and the rate of wages paid; the man having worked the longest and receiving the highest rate of wages, receive the highest dividend. No employee participates in these dividends who has been in the employ of the company less than one year. If he is laid off on account of sickness the time lost is not counted against him. In 1892 and '93 a life insurance policy for \$1,000 was bought for every man eligible to life insurance and the profit-sharing dividends. The cost of the life insurance was deducted from the amount of the dividends." This feature on account of the great variance of premiums to be paid adds, so many complications to the plan that it may be eliminated. Besides this insurance the company carries a blanket accident policy, one which covers all employees. This provides in case of accident, doctors' bills and one-half of the regular wages received when the accident occurred. In case of death from the accident \$500 is paid to the employee's heirs. There are 90 employees participating in these profit-sharing dividends while a year ago there were only 56. Mr. Church states that the employees all seem to appreciate what is being done for them. Since the system has been in vogue there has been but one strike and that lasted but four hours. The dividends have amounted to about 15 per cent of the regular wages received by the employees.

When the great coal miners' strike began there was a surplus stock of about 800,000 tons at the head of the lakes and as a consequence all of the industries here as well as many vessels have had ample supplies. Several railroads and many Chicago concerns drew on the Duluth docks during the stringency. Most of the flouring mills burn slack which can be secured at from \$1. to \$1.75 a ton, and the recent heavy shipments of soft coal from this point has greatly increased the normal supply of the screenings and flour is being made at a fuel cost of from 1½ to 2c per barrel.

LAKE SUPERIOR MILLS.

LAKE SUPERIOR MILLS,
SUPERIOR, WIS.

6000 BARRELS DAILY CAPACITY.

L. R. HURD, MANAGER.

Daisy Roller Mill Co.,

Proprietors.

DAISY ROLLER MILLS,
MILWAUKEE, WIS.

1800 BARRELS DAILY CAPACITY.

H. E. BROOKS, MANAGER.

Wheat rates to Buffalo remain at 2½ cents, a point which has been maintained for several weeks. There is but little demand for tonnage and but few charters are made. While many vessels are holding for 2½ cents, the supply of wheat is not very large and the tonnage which is required to move it can probably be secured at the present rates. Rates on lumber remain at \$1.75 to Buffalo and Tonawanda and \$2 to Chicago, per 1,000 feet.

The steamship Selwyn Eddy took out a cargo of wheat the first of this week, which broke all previous records. She had aboard 121,000 bushels of wheat, No. 1 Northern, from the Terminal elevators. This is 6,000 bushels more than her best cargo out of here and is the banner cargo down the lakes. It would take over 10,000 acres of last year's crop to make up this cargo. When these cargoes, with less than 15 feet of water at the Sault can be taken out, the immense cargoes which might be floated with 22 feet of water can scarcely be computed; and if these vessels could plow on direct to Liverpool, the northwest would be the base of wheat supply for the world, but instead of furnishing this supply, the northwestern wheat fields are being rapidly robbed of their supremacy. The Argentine Republic

has swung into the arena as a chief competitor, at one bound. And, by the way, this competitor cannot be scanned by the wheat growers and shippers of this country too closely. A few years ago the Republic did not raise wheat enough for its own consumption; last year it exported more than 30,000,000 bushels, and the quantity shipped this year may reach 50 or 60 million bushels. During the first four months of this year the shipments of wheat from Argentine ports to Europe amounted to 24,816,000 bushels, as against 15,424,000 bushels during the corresponding months of 1893. The shipments for the entire year of 1893 were 31,464,000 bushels, but if the rate of increase during the first quarter of this year be maintained the shipments for 1894 will reach about 60,000,000 bushels. The shipments for January and February were comparatively small but in March and April they amounted to 18,500,000 bushels, of which 14,600,000 were taken by Great Britain. That country for about three months has been receiving Argentine wheat at the rate of 7,000,000 bushels per month, and there is still in the republic, to be exported, a surplus of about 35,000,000 bushels. This is a matter of no little concern to Duluth and Minnesota. It is stated by a writer

in a Liverpool journal that there is no premium on forward shipments from the Republic, and for this reason European buyers can contract for supplies as far ahead as the deliveries from the current crop run, at the same price that is paid for spot cash. Thus they save the carrying charges which are added here to the price of spot wheat for future delivery. European buyers not only get the Argentine wheat carried for nothing, but also insure themselves against losses on a declining market, by selling future deliveries in this country at the ruling premium against their purchases in South America. In other words this country has to pay the losses on the surplus crop of Argentina. Thus the Argentine competition is given a peculiar force much greater than the mere amount of exports would indicate. There can be no doubt that to this source may be traced one of the principal causes of the decline of wheat and maintenance of the present low prices. The fact that England has purchased 30,000,000 bushels of wheat at Buenos Ayres instead of New York cannot fail to have had a great influence in keeping down the price of American wheat, and therefore the American farmer must give serious attention to the problem

of at least meeting the Argentine competition—if he can, under a national policy which has driven England to develop the South American wheat fields where she can exchange her wares without excessive penalties.

The new Board of Trade building is under contract to be finished by April 1, and the probabilities are that the work will be completed before that time. The foundation is in and the corner stone will be laid with Masonic rites in a few days.

The recent activity in the wheat market and general revival of business throughout the country has had a cheering and beneficial effect on all departments of business here and the feeling is better than at any time during the past year.

H. F. J.

DULUTH, June 12.

SUPERIOR.

SUPERIOR scores another big record for the four weeks last past, and demonstrates that as a flour producing point she has but few equals in the country. Up to the middle of June the mills were generally active, when for several reasons the pace was somewhat slackened. Previous to the 7th inst., one of the reasons for the smart clip was that as much flour as pos-

sible might be shipped to avoid the three-cent advance in freight rates, which took effect last Thursday. The schedule was then revised and stands now as shown by the appended table, in cents, per 100 lbs:

From Superior to:	Lake and rail.	All rail.	Across lake.
New York	17½	32½	30½
Montreal	15½	32½	30½
Boston	19½	34½	32½
Philadelphia	15½	30½	28½
Scranton	15½	30½	28½
Baltimore	14½	29½	27½
Albany, Troy, Schenectady	16½	31½	29½
Utica	16½	30½	28½
Syracuse	15½	28½	26½
Buffalo, Erie	10	25	23
Chicago	12½	12½	12½
Peoria	12½	12½	12½
Toledo	15	21½	21½
Cleveland	10	22½	22½
New Orleans	37½	37½	37½

*Export rate.

The all-rail and across-lake rates above apply for inland transportation to seaboard points on shipments intended for export, except that consignments for export via Portland, Me., and Boston, Mass., take the New York rate, and export business via Montreal takes the Philadelphia rate.

These rates are announced to be permanent for the remainder of the season, and while they may remain upon the card, concessions may probably be extended to heavy shippers later on. The lake situation is not strong and vessels are rather inclined to shade rates than to skirmish about and piece out cargoes, or tie up. The wheat shipments will be necessarily light for the remainder of the season as the surplus is limited. The country elevators are practically emptied while here there are but a trifle over 7,000,000 bushels in store. This will be heavily drawn against by the mills, leaving not to exceed half of the amount to go forward by water. The stocks in store in the public elevators at present are as follows, by grades:

	Bushels
No. 1 Hard wheat	3,065,637
No. 1 Northern wheat	4,083,757
No. 2 Northern wheat	127,748
No. 3 spring wheat	23,687
No. 3 grade spring wheat	1,631
Rejected and Condemned wheat	13,945
Special bin wheat	36,208
Total wheat in store	7,351,113
Decrease during the week	503,752
In store and afloat last year	10,550,276
Decrease for the week last year	853,069

It seems apparent, if the present rate of consumption by the mills continues, that there will be a shortage for milling purposes before the first of September, and all indications point to the strong probability that the mills will be kept busy in supplying the demand for the remainder of the season. Not only is there a general resumption of business throughout the country but the settlement of the coal miners' strikes alone will make a marked difference in the flour trade. Millers are obliged to pay good prices for wheat and the prospects are strong that a still higher premium will be exacted. Crop reports for the past few days from the Dako-

tas are bullish; the dry weather is becoming very serious and will result in permanent injury to many fields. The last government report took a rather optimistic view of the situation. It announced a winter wheat condition of 83.2 and a winter wheat acreage of 99. Those figures suggest a winter wheat yield of 273,000,000 bus. The report gave the spring wheat condition as 88 and the spring wheat area as 87.8. Those figures suggest a spring wheat yield of 131,750,000 bus. The wheat figures as a whole suggest a yield of about 404,750,000. The figures on oats are even more bearish relatively than the figures on wheat. They made the condition of oats 87 and the acreage 99.1. The figures together suggest an oat yield of 681,000,000.

The report just issued increases its area greatly over its December estimates. The percentages of area as announced now and in December are as follows:

	June.	Dec.
Ohio	95	91
Michigan	85	79
Indiana	91	93
Illinois	122	91
Kansas	126	95
California	103	102

Advices on the 13th of this month from the interior were to the effect that in Western Minnesota the drouth had been relieved in a measure, but in Southern Dakota the hot, dry weather still prevails. Yet all this is more than balanced by the improvement in trade conditions, generally. Idle men, strikers and "industrial" armies consume but little flour, but so soon as all the wheels are turning the normal demand is resumed. And the country seems to be approaching that state of affairs. The wires announce renewed work in the coal regions, and here in the iron and wheat belt of the northwest there is increasing activity on every hand.

Almost all the great iron mines in the Duluth district are in operation and a vast quantity of ore will be sent out this season. Two-thirds of the lumber out-put of Duluth will go down the lakes this season, the aggregate from the head of the lakes, including Ashland, being about 600,000,000 feet. This product goes mainly to Lake Erie ports.

Ex-Congressman John Lind is in Washington working with the millers throughout the country, seeking an amendment to the tariff bill. The object is to meet the retaliation that will certainly be provoked from Germany by the revocation of the reciprocity treaty made with that country by the last administration, but the amendment is drawn so as to include all the imports from France, Austria, Italy and Belgium, also. Senator Washburn offered the amendment which

provides that if it shall at any time appear that the government of any country imposes discriminating or prohibitory duties upon the agricultural products of the United States the president shall certify such fact to the secretary of the treasury, who shall impose and collect an additional and discriminating duty upon all articles imported from such country equal to 50 per cent of their value. In a recent interview Mr. Lind contended that the proposed amendment, if passed, would not introduce any new principle of fiscal or commercial legislation into the bill. The section which it is sought to amend provides for the free exchange, reciprocally, of farm products. This the millers do not object to—they can compete with the world. But they ask for the adoption of the proposed amendment, believing that it will give the government power to protect one of the great American industries, by like discriminating policy.

The milling industry is the most important and extensive of American industries. The exports of wheat and flour from the United States during the last four years, according to carefully collected statistics, were as follows:

Year ending—	WHEAT.	Value.
June 30, 1890	54,387,767	\$45,275,906
June 30, 1891	55,131,948	51,420,272
June 30, 1892	157,280,351	101,590,100
June 30, 1893	117,121,109	93,534,970
Year ending—	FLOUR.	Value.
June 30, 1890	12,231,711	\$57,096,108
June 30, 1891	11,344,204	54,705,616
June 30, 1892	15,196,769	75,362,285
June 30, 1893	16,620,389	75,494,347

The daily capacity of the mills in this country is as follows:

Minnesota	100,000	Iowa	5,000
North Dakota	7,000	Nebraska	7,000
South Dakota	10,000	Other states	262,000
Wisconsin	47,000		
Michigan	51,000	Total	550,000
Illinois	61,000		

The amount of capital invested, from a conservative estimate, is \$55,000,000, and the number of men employed is 30,000 at wages averaging at least \$2 a day. The average yearly out-put is not far from 75,000,000 bbls.; of this amount the exports average 13,700,000 bbls. It is claimed, however, that owing to the dullness in the flour market, the entire demand for the current year could be supplied in 115 days of operation of the whole milling capacity, leaving the remainder of the time as enforced idleness or partial work. These figures show the desperate condition of the industry and the propriety of congress extending such and as is practicable and legitimate.

Germany now imposes a duty of 3 marks (72c.) per hundred kilos (220 pounds) of wheat, and 7 marks, or \$1.68 per 100 kilos of flour. The German miller would be given ample protection at 4 marks, but 7 marks is prohibitory. In addi-

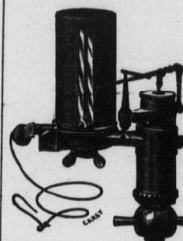
American Steam Gauge Co.

Sole Manufacturers

BOURDON

STEAM GAUGES.

WITH LANE'S IMPROVEMENT.



THOMPSON'S
IMPROVED
INDICATOR.

Over 2,500 in
use.

American Pop Safety Valves

For Locomotive, Stationary and Portable Boilers, and Instruments Incidental to the use of Steam.

Send for Price List I.

36 CHARDON ST.,

SEND FOR CATALOGUE K. BOSTON, MASS.

BRANCHES:

NEW YORK, N.Y., CHICAGO, ILL.,
51 John Street. 16 N. Canal St.

tion to this the American miller meets another barrier in the shape of reciprocal treaties between European nations which absolutely debar him from successful competition. Thus, if this amendment, or one equally or more effective is not adopted, the American miller will have to stand idly by and see his raw material taken from him and manufactured and sold in a market from which he is excluded.

The packers and nailers employed in the mills here and in Duluth have formed a union and have made application to associate themselves with the American Federation of Labor. Last week they asked for an advance in their wages which was granted by some of the mills, while others are considering the matter. It is thought however, all the mills will concur in this demand and follow the example of the Anchors. Listman and Lake Superior. A 25-cent advance was demanded, making the wages \$2 per day for packers and \$1.75 for nailers. These wages were paid last year, but as the flour market declined wages were reduced. At the Anchor mill the men rested on their oars until the matter was adjusted. The mills all pay as liberal wages as is possible and it is rare that there is any trouble with the employees.

A somewhat remarkable action was taken by a government official here a short time ago. At the Anchor mill Alex. McArthur was appointed first engineer, and employed H.

Bailey as his assistant. Bailey was at the time visiting at Toronto and was notified to come on and go to work. M. T. Stokes immigration inspector noticed an item of the employment in the newspapers, and at once sued out papers for the arrest of Mr. McArthur under an immigration act which prohibits the engagement of aliens to perform labor in this country. It is thought that the authorities at Washington would get hold of the matter before any serious inconvenience is done. Mr. Bailey was formerly employed at the Anchor mill.

The chief interest in marine circles for the past week or two has been in the arrival of the big fast passenger boat, "North-west," of the Great Northern railway system, and the departure of the "Christopher Columbus" for the season's excursion business between Chicago and Milwaukee. The Northwest will run between Buffalo and the head of the lakes, carrying no freight. She is a magnificent craft and has an easy gait of 22 miles per hour. She can be crowded to 24.

J. S. Hill, son of President J. J. Hill of the Great Northern, has moved to this city to take a position with the Eastern Minnesota railroad.

The Listman will have an "advertised" capacity of 2,000 bbls. in 24 hours (one side) but one day last week it turned out 2,482 bbls. When both sides are in operation the output will be nearer 5,000 bbls. a day than 4,000 bbls. which were guaranteed by the builders. This mill has run almost continuously this season. The Minkota mill, built for a 500-bbl. mill, has a recent record of 751 bbls. This mill was designed by W. A. Scott, headmiller of the Imperial mill.

The new Barclay mill is nearing completion. The mill is enclosed and is being covered with corrugated iron. Engine foundations are being laid and its machinery will be placed in position in a short time. The mill will be grinding by August 1.

The lake situation today is rather weak; shippers only bidding for tonage to save storage and the charters which were made are to be loaded by the 15th inst. The rate is held at 2½ cents. The rumored refusal of certain portions of the coal districts to accept the settlement of the strikers' difficulty has an effect on present business. It is the general belief that the settlement of the labor troubles will enliven business generally along the lakes.

An adjourned meeting of the general managers of the rail and lake lines was held at St. Paul on Tuesday of this week, the meeting received the report

of the meeting of general freight agents held a few days previous when the lake and rail situation was thoroughly discussed, relative to maintaining existing flour and grain rates. While the result of yesterday's conference was not given out for publication, it is understood that no change was made and that the schedule given above will be adhered to for the present, at least.

The wheat market is still bullish. An operator on 'Change speaking of the situation today said: The bulge in wheat took a fresh grip today and got as high as 2½c. above Monday's close. The market is very active, the business large and a speculative feeling seems to be abroad. Higher prices are predicted by almost everyone. The dry weather where rains are needed is the main foundation for the strength. I have seen no one except a few local operators who care to sell any short. The bullish feeling seems to be universal. Rains would upset a lot of calculations, but you have this in favor of buying, if you can stand a little decline you will probably have a chance to sell higher later, and higher prices may come quick if the northwest crop gets hurt by drought.

But aside from these temporary signs and portents of the bull and the bear there are stronger and more substantial reasons why the price of wheat is advancing.

E. T. D.
SUPERIOR, JUNE 13.

SURPLUS WHEAT IN NORTHWEST.

The northwestern visible supply is about 8,000,000 bush. less than it was a year ago now. Stocks are going out much more slowly, however, than they did either a year ago or two years ago. Last year during May the decrease was 12,000,000 bus. and this year only 4,000,000. In June stocks fell off 10,000,000 bus. and in July about 5,000,000 bus. If the decrease during these two months this year should be but one third of what it was last year as was the case during the past month, stocks on Aug. 1 will be larger than they were a year ago. That such will be the case appears possible, unless there should be a change of values as existing at present between the northwest and eastern markets. With prices of No. 1 northern as high here as prices of No. 2 red in New York, or nearly as in Europe, there can be but little wheat worked off to outside millers. Last year the wheat shipments from Minneapolis and Duluth amounted to 8,400,000 bus. This year they were less than half that amount. The flour output at Minneapolis during May was 757,330 bbls., against 759,322 bbls. last year.—*Market Record*, June 6th.

IMPORT DUTIES ON CORN AND FLOUR ABROAD.

From a statement prepared by the Board of Trade we have compiled the following table, showing, in English equivalents, the customs duties at present levied on imports of wheat and of wheat-flour in the various European countries and in the United States of America. In most instances the duty is quoted per cwt., so that if multiplied by four it would, in the case of wheat-grain, fall just a little short of the equivalent duty per imp. qr. of 480 lbs.:—

Contry.	Wheat Grain.		Wheat Meal and Flour.	
	Prohibited.	Per cwt.	Prohibited.	Per cwt.
Portugal.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
Spain.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
France.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
Italy.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
Germany.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
Austria.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
Hungary.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
Greece.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
Sweden.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
Switzerland.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
Russia.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
Roumania.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
Turkey.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
Bulgaria.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
Holland.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
Belgium.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.
United States.....	3s. 3d.	per cwt.	4s. 6d.	per cwt.

From this table it will be seen that Denmark, Holland and Belgium, like the United Kingdom, admit wheat and the flour of wheat free of duty. Russia and Roumania likewise admit free wheat, but they both place an impost on the manufactured product. In every case—with the exceptions of Turkey and Bulgaria—where there is a duty on imported wheat there is a still heavier tax on imported flour. Portugal, it will be noted, forbids the importation either of wheat grain or of wheat flour save under certain conditions and restrictions. In France the duty on flour amounts to either 4s. 5½d. or 5s. 5½d., or 6s. 6d. according to quality. In Italy the duties on wheat and flour are provisionally in force in virtue of a Royal decree, dated February 21, 1894, but the sanction of Parliament has yet to be given before they can be definitely applied. The differences in the imposts of Sweden and Norway are interesting. The United States, whose exports of wheat flour are enormous, imposes an import duty upon this product equivalent to one-fourth of its value.

Five European countries, in addition to the United Kingdom, admit barley and oats free. Both Sweden and Norway allow oats to pass in free of duty, but the former imposes a tax of

8½d. per cwt., and the latter of 1½d. per cwt. upon barley. Portugal levies more than twice the tax imposed by Spain upon these cereals, whilst Italy and Germany put a heavier duty upon oats than upon barley. The United States impost is equivalent to 10s. per qr. upon barley and 5s. 2d. per qr. upon oats. In the case of France all kinds of grain and flour, of extra European origin, but imported from European entrepôts, are required to pay the duties specified, with the addition of a surtax equivalent to 1s. 5½d. per cwt. Turkey has an *ad valorem* duty of 8 per cent upon corn, grain, pulse, meal, and flour of all kinds; in Bulgaria the corresponding tax is 8½ per cent.—*The Miller, London*.

THE PROFIT ON WHEAT.

The following is a statement showing the market value of No. 1 hard wheat at Duluth as compared with results of actual sale of 16,000 bushels Manitoba No. 1 hard made in Liverpool (for London delivery) June 1, 1894. No sale of Duluth No. 1 hard for prompt shipment has been made since May 26. The statement is furnished by the railroad and warehouse commission:

	Cents.
June 1—	
Price No. 1 hard wheat in Duluth.....	57.88
Duluth elevator charges; weighing and inspection.....	1.30
Lake freight and insurance, Duluth to Buffalo.....	2.30
Buffalo elevator charges, commission, etc.....	1.00
Canal freight and insurance, Buffalo to New York.....	3.00
New York elevator charges, demurrage, towing, trimming, and commission.....	1.50
Ocean Freight and insurance New York to London.....	2.25
Loss in weight Duluth to London.....	.50
Net cost in London "c. i. f.".....	69.73
June 1—	
2000 quarters (16,000 bushels) No. 1 hard Manitoba sold in Liverpool for London delivery at 23 shillings and 6 pence per quarter, or 70½ cents per bushel.....	70.50

Gain on transportation (¾ cent per bushel)..... .77

C.I.F. means "cost, insurance and freight," or delivered at the dock, purchaser paying all subsequent charges.

Receipts and shipments of wheat at the ports of Boston, New York, Philadelphia, and Baltimore, for two weeks ending June 15, 1894.

Receipts.....	1,615,888 bushels.
Shipments.....	2,793,065 "
Previous two weeks—	
Receipts.....	1,890,010 bushels.
Shipments.....	1,907,639 "

LITERARY NOTES.

THE special fashion feature of the *Bazar* which will be published on June 16th is a Casino toilette from Worth. Colone T. W. Higginson writes charmingly on "The Decline of Ennui." The writer of "Mrs. Wouter Van Twiller's Saturday Afternoons" has some pleasant things to say about "Trilby." Helen Everson Smith has a suggestive article on "Superfluous Persons," and Elizabeth Bisland's "Story of a Garden," which has been anticipated for some weeks, begins in this number. The "Paris Letter" gives many interesting details of June fashions in Paris. The next Number will contain designs for traveling dresses, and also some beautiful hats and bonnets.

KITES so heavy that a gale of wind is required to raise them, and which, when raised, will draw a train of cars—kites forty-five feet in length—Japanese fighting kites—are described in *Harper's Young People* this week. The same number contains an article by W. J. Henderson on "Sailing a Sharpie."

Harper's Weekly for June 20th will contain articles on the Saengerfest, which will be held at Madison Square Garden, the Canadian Indians (by E. Pauline Johnson, princess of the tribe), and "Socialism in England." "The Master," J. Zangwill's strong serial story is continued, the scene being now laid in London.

Home and Country magazine for June is finely illustrated. Among its contents are: The Art of Music, by Hamilton Rodier Cochrane; The Early Rising of Distinguished Men, by Mrs. G. F. De Fontaine; The Golden Amulet; A story of ancient Rome, by Frances Smythe; A Month Among Elephants, by William Lansing; The Evolution of Melissa: a story of the South, by Isaac Irving; Dwellings of the Poor, and Their Relation to Crime, by Edward Pigot, M. D.; The Graveyard of American Shipping, by George Ethelbert Walsh; How Lemuel Boggs Got His Pension, Illustrated Washington, by Clarence Frieb; and Rings and Their Symbolism, by Henry W. Lipman.

Memorial Day, by W. C. Campbell; Unfurl the Flag, by Ezekiah Butterworth, and A. Keverie, by L. N. Case, Supt. Water Works, Detroit, Mich., are among the poems contained in this number.

Home and Country is published by Jos. W. Kay, at 33 East 10th Street, New York City. Subscription, \$2.50 a year.

The Century for June contains two articles particularly appropriate to the current discussion of administrative reforms. The first is a symposium of eleven ministers of the United States on "The Consular Service and the Spoils System," ten of the writers being strongly in favor of a radical change in the direction of the Merit System. The eleventh, Hon. T. W. Palmer, is alone in thinking that the present system has worked very well. The second—a paper by Dr. Albert Shaw, author of previous papers in the Century on the governments of Paris, London, Glasgow, Budapest, and other European cities—deals with "The Municipal Framework of German Cities," and is the forerunner of a second paper to appear in July on "What German Municipalities do for their Citizens." This article, coming in the midst of a widespread and current interest in municipal reform, is likely to receive much attention, written as it is by a careful observer and recognized authority on the subject.

Other topics of public interest treated in the magazine departments are "Bosses," "Hard Times and Business Methods," "The Reform of Secondary Education," "Military Drill in the Schools," a reply by Benjamin F. Trueblood to Ex-President Harrison's letter to the Century, and "An Honest Election Machine," a description by Herbert Brown Ames of the way in which Montreal was rescued from a corrupt ring. The Editor also advocates reform of the Consular Service.

The June St. Nicholas has a frontispiece called "The Rose," an engraving by Frank French, the artist who designs and executes his dainty pictures entirely from the first sketch to the completed block.

Although it is vacation, boys who wish a good "piece to speak" will do well to make a note of the opening in this number. It is called "The Saga of Olaf the Young," and tells how a little Norwegian saved his father's vessel from the enemy. It is bright and stirring.

"Decatur and Somers" and "Jack Ballister," the serial stories, are good reading for all ages, and in the latter there is a very humorous account of a midshipman's trick.

The complete novel in the June number of Lippincott's is "The Wonder-Whitch," by M. G. McClelland. It is a charming romance of Virginia, beginning in war times and happily concluded long afterwards. The title refers to a ring, which had a strange story of its own, and the supposed power of keeping its wearer constant to its giver.

GILBERT Parker's serial, "The Tresspasser," reaches its close after carrying the hero through queer adventures and dire social and moral dangers.

"The Rumpety Case," by Anna Fuller, the well known author of "A Literary Courtship," tells how justice was done upon a domestic tyrant by the joint action of Providence and an honest farmer, after the forms of law had failed to reach the case.

In "The New Northwest Passage to the Orient," J. Macdonald O'Leary writes of the Canadian Pacific Railway and its line of steamers to Japan.

In "Hot Work on the Pampas," Morgan S. Edmonds describes the suppression of brigandage in the Argentine Republic in 1873.

The Review of Reviews for June shows the usual flexibility of that keenly edited periodical in adapting itself to the topics of the month. In its department of Leading Articles it groups together a very remarkable series of digests of important recent essays on various topics pertaining to the political and social status of woman. Moreover, its always varied and curious collection of caricatures illustrating the history of the month is enlivened by a number of cartoons from New Zealand and Australia, some intended to satirize and others to satirize the enfranchisement of woman in the New Zealand colony and the unsuccessful woman suffrage campaign in New South Wales. These articles and caricatures are submitted by the Review of Reviews to approve the great pending discussion in the State of New York.

JAMES LEFFEL



WATER WHEELS

110 Styles and Sizes, Upright and Horizontal.

30 YEARS' CONTINUOUS BUSINESS
affords every facility for making them.

Specially adapted to all Purposes and Situations.
Flour Milling, Mining and Manufacturing.

Plants of all kinds driven by them. Easy working gates. We guarantee highest power with smallest quantity of water, at full and part gates; insuring easy regulation and steady motion. Successfully operating under heads of 2 to 400 ft. Write us for fine pamphlet and state your wants.

THE JAMES LEFFEL & CO.
SPRINGFIELD, OHIO, U. S. A. or 110 Liberty St., New York City.

FOR SALE.

FOR SALE—A first-class flouring mill, brick, with brick elevator; on through line from the wheat fields of the West to the seaboard; capacity, 15 barrels Wheat and 50 barrels Rye; reputation good; trade established; exchange trade for one-third to one-half capacity; good reasons for selling. This is an opportunity of a life-time for the right party. Address or call office, UNITED STATES MILLER, 68-C Mitchell Building.

Water Power Flouring Mill For Sale

A RARE OPPORTUNITY is hereby offered to the right party to take hold of a flour mill with an excellent water power all year around, situated near Milwaukee, which has a good established, well-paying trade in the city, and custom grinding besides. Must be sold at once, and will give the most liberal terms. Will take real estate in exchange if suitably located. For particulars inquire of

WM. KUEKER, Faribault, Minn.

DEALERS.

WM. L. BOYD. ALBERT L. BOYD.

WM. L. BOYD & BRO.,

GENERAL COMMISSION MERCHANTS,

FLOUR, GRAIN AND MILL FEED,

208 Spear's Wharf, BALTIMORE, MD.

We make a specialty of Flour and Mill Feed. Our trade on the medium and lower grades of Flour by far exceeds the supply at all times. Millers having a surplus would do well in sending samples and consulting us first, before disposing of same. Liberal advances made on consignments. REFERENCES: BALTIMORE BANKS.

GEO. W. PHILLIPS, JR.,

Commission Merchant in

FLOUR AND GRAIN,

763 THE ROOKERY,

CHICAGO.

C. CAESAR & CO.,

GRAIN EXPORTERS,

30 North Front St.,

PORTLAND, ORE.

S. S. LINTON & CO.,

Grain Commission Merchants,

42 Board of Trade, DULUTH.

46 Chamber of Commerce,

MINNEAPOLIS.

H. W. PARRISH,

MONTGOMERY, ALA.

Solicits Correspondence looking to the

Sale of
FLOUR, GRAIN, HAY,
ETC., ETC., ETC.

H. R. STROEMER,

Grain and Provision Broker,

MACON, GA.

CORRESPONDENCE SOLICITED.

Reference: Exchange Bank, or any other bank in Macon.

F. O. TREPAGNIER. EDWARD BRES.

Established 1844.

TREPAGNIER & BRES,

DEALERS IN

Provisions and Western Produce,

81 MAGAZINE STREET,

Near Poydras. NEW ORLEANS.

PENSIONS

Address a letter or postal card to
THE PRESS CLAIMS COMPANY,
JOHN WEDDERBURN, - Managing Attorney,
P. O. Box 463. WASHINGTON, D. C.

PENSIONS PROCURED FOR
**SOLDIERS, WIDOWS,
CHILDREN, PARENTS.**

Also, for Soldiers and Sailors disabled in the line of duty in the regular Army or Navy since the war. Survivors of the Indian wars of 1832 to 1842, and their widows, now entitled. Old and rejected claims a specialty. Thousands entitled to higher rates. Send for new laws. No charge for advice. No fee until successful.

DO YOU INTEND TO BUILD? PRACTICAL LOW-COST HOUSES. HOW TO BUILD THEM.



A Large Atlas, containing drawings and floor plans of 40 Modern Houses with Correct Estimates of cost of building. All kinds of buildings ranging from a \$400 cottage to a \$10,000 residence. The latest and most complete, and only practical book published. It is a labor economy to attempt to build without these plans.

Price by mail, post-paid, 50 cts. Stamps taken.

Address,

The United States Miller,

MILWAUKEE, WIS.

DUST! DUST!



GIBBS' Patent Dust Protector protects the nose and mouth from inhalations of poisonous dust; invaluable in Mills, Elevators and every industry where dust is troublesome. Perfect protection with perfect ventilation. Nickel-plated protectors \$1, post paid. Circulars free. Agents wanted.

GIBBS RESPIRATOR CO.
30-36 La Salle St., CHICAGO.

PATENTS

CAVEATS, TRADE MARKS, COPYRIGHTS.

CAN I OBTAIN A PATENT? For a prompt answer and an honest opinion, write to MUNN & CO., who have had nearly fifty years' experience in the patent business. Communications strictly confidential. A Handbook of information concerning Patents and how to obtain them sent free. Also a catalogue of mechanical and scientific books sent free.

Patents taken through Munn & Co. receive special notice in the Scientific American, and thus are brought widely before the public without cost to the inventor. This splendid paper, issued weekly, elegantly illustrated, has by far the largest circulation of any scientific work in the world. \$3 a year. Sample copies sent free.

Building Edition, monthly, \$2.50 a year. Single trial plates, in colors, and photographs of new houses, with plans, enabling builders to show the latest designs and secure contracts. Address MUNN & CO., NEW YORK, 361 BROADWAY.

ROPP'S CALCULATOR

[Revised Edition for 1890.]



This book with its numerous tables, short cuts in figures, etc., is simply invaluable to Millers, Grain Dealers, Farmers and Business men generally. Prices, post-paid, as follows: No. 1, Bound in water-proof leatherette, 50 cents. No. 2, Fine artificial leather, with pocket, silicate slate and account book, 75 cents. No. 3 American Russia or Morocco, with pocket, slate and RENEWABLE account book, \$1.00. Address,

UNITED STATES MILLER,
MILWAUKEE, WIS.

PATENTS

TRADE-MARKS, COPYRIGHTS ETC.
CHANDLER & MACAULEY,
WASHINGTON, D. C.

Send us a sketch or a model for a free report as to the patentability of your invention.



DUST PROTECTOR

The "Perfection" keeps poisonous dust out of the lungs. Of great value to Millers. Decidedly the best, easiest and BEST APPEARING. Postpaid for one dollar. Circulars free. Agents wanted. THE DUST PROTECTOR CO. South Bend, Ind.

SPECIAL OFFER TO OUR READERS.

By Special Arrangement with the Publishers We Offer You

Home and Country Magazine

Regular Price 25 Cents a Copy, or \$2.50 a Year,

Six Months for Only 75 Cents; Three Months for Only 40 Cents.

See Advertisement in Another Part of This Paper.

ALWAYS USE THE BLANK BELOW WHEN ORDERING.

Gentlemen: Please send "Home and Country Magazine" for..... months to.....

Date..... 1893. Amt. herewith..... cents.

NORTH
EAST
WEST
SOUTH



GEO. H. HEAFFORD, General Passenger Agent.
J. H. HILAND, General Freight Agent.
CHICAGO, ILL.

W. J. BOYLE, City Pass. and
Ticket Agent,
400 East Water St., Milwaukee, Wis.



With its thousands of miles of perfectly equipped
road reaches the most important points in
ILLINOIS, IOWA, WISCONSIN, NORTHERN MINNESOTA,
SOUTH MINNESOTA, NORTH and SOUTH DAKOTA,
NEBRASKA and WYOMING.

SOLID VESTIBULED TRAINS

Between Chicago and St. Paul,
Minneapolis, Council Bluffs,
Omaha, Denver and Portland.

FREE RECLINING CHAIR CARS

Between Chicago, Council
Bluffs, Omaha, Denver and
Portland.

THROUGH SLEEPING CARS

Between Chicago and San Francisco
without change.

SUPERB DINING CARS

For Tickets, Time Tables and full information
apply to Agents

CHICAGO & NORTH-WESTERN R'Y.
Or address the Gen'l Pass. and Ticket Ag't at Chicago.

W. H. NEWMAN, J. M. WHITMAN, W. A. THRELL,
and Vice-Pres. Gen'l Manager. Gen'l Passenger
N. A. No. 4-09.

CHOICE OF 2 TRAINS

— VIA —

MONON ROUTE

— BETWEEN —

CHICAGO and

INDIANAPOLIS,

CINCINNATI,

CHICAGO,

LOUISVILLE,

AND ALL POINTS SOUTH.

Unsurpassed Pullman Car Service.

FAST TRAINS. SURE CONNECTIONS.

SHORT ROUTE TO FLORIDA.

Be sure your tickets read via Monon
Route (L. N. A. & C. Ry.), and your comfort
is guaranteed.

For Maps, Guides, etc., address

FRANK J. REED,

Gen'l Pass'r Agent,
CHICAGO.

Room 19, Mitchell Bldg.,
MILWAUKEE.

SEND for a copy of Cawker's American
Flour Mill and Grain Elevator
Directory for 1902-03



**BEST
LINE**

— BETWEEN —

CHICAGO,

INDIANAPOLIS

and **CINCINNATI.**

The Only Line Running the
Private Compartment Buffet Sleeping Cars
... between ...

CHICAGO AND CINCINNATI.

The Only Line from Chicago running Solid
Vestibule Trains into Central Union Depot,
Cincinnati, where connection is made with all
Through Car Lines to the South and Southeast,
avoiding all disagreeable transfers.

Through Palace Sleeping Cars from Indian-
apolis to Washington, D. C., via Cincinnati and
C. & O. R'y. The direct route to Hot Springs,
Va., the Mecca of the Tourist and Invalid.

Through Tickets via the Big Four
Route can be procured at all Ticket Offices
in the Northwest.

E. O. McCORMICK, D. B. MARTIN,
Passenger Traffic Manager. Gen'l Pass'r & Tkt. Agt.
CINCINNATI, O.

WISCONSIN CENTRAL LINES



DAILY THROUGH TRAIN SERVICE

— TO —

FOND DU LAC

OSHKOSH

MENASHA

NEENAH

CHIPPEWA FALLS

ST. PAUL

EAU CLAIRE

MINNEAPOLIS

WEST SUPERIOR

DULUTH

And all Points in the Northwest.

For full particulars regarding Routes,
Rates, Maps, etc., apply

City Ticket Office, 100 Wisconsin Street

or JAS. C. POND, Gen'l Pass'r Agt.,
MILWAUKEE, WIS.

GRAND HAVEN ROUTE

D. G. H. & M. RY.

This Favorite Summer Route with its
PALATIAL IRON STEAMERS

CITY OF MILWAUKEE and WISCONSIN

AND FIRST-CLASS TRAIN SERVICE
IS NOW OPEN.

Fast Line to Grand Rapids, Muskegon, Saginaw and
Points in Michigan and East.

Steamers leave MILWAUKEE daily (Saturday
excepted) at 9:00 p. m., connecting at GRAND
HAVEN with limited Express which leaves at 5:40
a. m., arrives at Grand Rapids 6:45 a. m., Saginaw
10:30 a. m., Detroit 11:50 a. m., Toronto
7:50 p. m., Niagara Falls 7:50 p. m., Montreal
7:45 a. m., New York 10:25 a. m., Boston 3:00 p. m.

Buffet Parlor and Sleeping Car Service

Tickets on sale at all coupon ticket offices;
company's office, 99 Wisconsin St., and at
dock, foot of West Water St.

JOHN W. LOUD, B. C. MEDDAUGH,
Traffic Manager, Passenger Agent,
Detroit. 99 Wisconsin St., Milwaukee.

OCEAN.

White Star, Inman, Cunard, Anchor,
Bremer, Hamburg, French, and all other
lines.

Cabin plans and sailings sent by mail
and rooms secured in advance.

Very Cheap Storage Rates, British
ports and Milwaukee, \$31.50.

B. C. MEDDAUGH, Gen'l Steamship Agt.,
99 Wisconsin Street, Milwaukee.

GOODRICH STEAMERS

ON REGULAR TIME

LEAVE MILWAUKEE FOR

Chicago daily, Saturdays excepted,
at 7:00 p. m.

Racine daily, Saturdays excepted,
at 7:00 p. m.

Sheboygan daily, Sundays and
Mondays excepted, at 7:00 a. m.

Manitowoc daily, Sundays and Mon-
days excepted, at 7:00 a. m.

Sheboygan on Sundays and Mon-
days at 7:00 p. m.

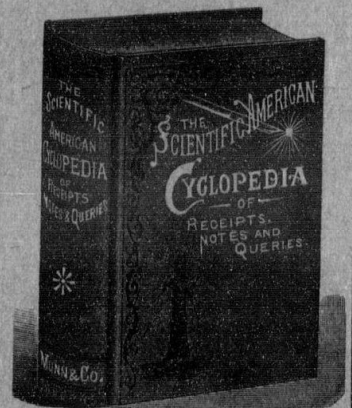
Manitowoc on Sundays and Mon-
days at 7:00 p. m.

Kewaunee and Ahnapee Saturdays
at 7:00 a. m.

Thomas Forbes, G. Hurson,
Passenger Agent. Sec. and G. T. M.

NOW READY!

A NEW AND VALUABLE BOOK.



12,000 Receipts, 680 Pages. Price \$5.

This splendid work contains a careful
compilation of the most useful Receipts
and Replies given in the Notes and Que-
ries of correspondents as published in the
Scientific American during the past fifty
years, together with many valuable and
important additions.

Over Twelve Thousand selected receipts
are here collected; nearly every branch of
the useful arts being represented. It is by
far the most comprehensive volume of the
kind ever placed before the public.

The work may be regarded as the product
of the studies and practical experience of
the ablest chemists and workers in all
parts of the world; the information given
being of the highest value, arranged and
condensed in concise form convenient for
ready use.

Almost every inquiry that can be thought
of, relating to formulae used in the various
manufacturing industries, will here be
found answered.

Those who are engaged in any branch of
industry will probably find in this book
much that is of practical value in their
respective callings.

Those who are in search of independent
business or employment relating to the
home manufacture of sample articles, will
find in it hundreds of most excellent sug-
gestions.

By mail postpaid to any part of the world
upon receipt of price. Address and make
all remittances payable to order of

THE UNITED STATES MILLER,
68-C Mitchell Building, Milwaukee, Wis.

CLUB LIST.

We can furnish the UNITED STATES
MILLER with any of the following papers
or periodicals, for one year, at prices named
the money to accompany the order:

Harper's Monthly and United States
Miller.....\$4.25

Harper's Weekly and United States
Miller.....4.25

Harper's Bazar, weekly, and United
States Miller.....4.25

Harper's Young People, monthly, and
United States Miller.....2.50

Century, monthly, and United States
Miller.....4.50

St. Nicholas, monthly, and United
States Miller.....3.50

Scribner, monthly, and United States
Miller.....3.40

Scientific American, weekly, and
United States Miller.....4.50

Stationary Engineer, weekly, and
United States Miller.....2.00

And other publications at reduced rates.

ADDRESS

UNITED STATES MILLER,

MILWAUKEE, WIS.

BOOKS.

A PRACTICAL TREATISE ON MILL-
Gearing Wheels, Shafts, Riggers, etc.,
for the use of engineers, with eleven
plates. T. Box. Third edition. 12 mo.
\$3.00.

FIVE HUNDRED AND SEVEN ME-
chanical Movements, embracing all
those which are most important in
Dynamics, Hydraulics, Hydrostatics,
Pneumatics, Steam Engines, Mill and
other Gearing, Presses, Horology and
Miscellaneous Machinery. H. T. Brown.
Sixteenth edition. 12 mo. \$1.00.

A TREATISE ON MILLS AND MILL-
Work. W. Fairbairn. 8 vo. \$3.75.

A MANUAL OF MACHINERY AND MILL-
Work. W. J. M. Rankine. Fifth edition,
thoroughly revised by W. J. Miller, with
nearly 300 illustrations. 12 mo. \$5.00.

TEMPLETON'S ENGINEER, MILL-
wright and Mechanic's Pocket Com-
panion, revised, corrected and enlarged
from the Eighth English edition by
Julius W. Adams. \$2.00.

A TREATISE ON FRICTION AND LOST
Work in Machinery and Millwork. R. H.
Thurston. 61 illustrations. 8 vo. \$3.00.

AMERICAN MILLER AND MILL-
wright's Assistant, by William Carter
Hughes. 12 mo. \$1.50.

THE MILLER'S, MILLWRIGHT'S AND
Engineer's Guide, by Henry Pallott.
Illustr. 286 pages. 12 mo. \$2.00.

PRACTICAL HINTS ON MILL BUILD-
ing, by R. J. Abernathy. Illustr. 8 vo.
\$4.00.

BOOKS.

Any of the books in this list will be sent
by mail, free of postage, to any part of the
world, upon receipt of price. Address and
make all drafts payable to the order of

THE UNITED STATES MILLER,
68-C Mitchell Bldg., MILWAUKEE, WIS.

SUBSCRIBE NOW FOR 1894



\$3.00 A YEAR 25¢ A NUMBER

A year's subscription to SCRIB-
NER'S MAGAZINE will bring into
your home twelve monthly
numbers, aggregating over 1500
pages of the best and most in-
teresting reading, and more than
700 beautiful illustrations.

Announcements.

George W. Cable, will begin in the January
number a romance entitled "John
March, Southerner."

Two other important serials have been en-
gaged: J. M. Barrie, author of the fa-
mous "Little Minister," has written a
new novel, the first since that famous
story. George Meredith, the great En-
glish novelist, has in preparation a novel
entitled "The Amazing Marriage."

SHORT STORIES will be abundant.

Ludovic Halevy, Paul Bourget, Joel Chandler
Harris and many new writers will
contribute.

STUDIES OF AMERICAN LIFE will be an im-
portant feature, including Newport, Bar
Harbor, Lenox etc., and the West.

THE ILLUSTRATIONS will be even more nu-
merous and beautiful than ever. A se-
ries of Frontispieces chosen by Philip
Gibbert Hamerton will be especially nota-
ble.

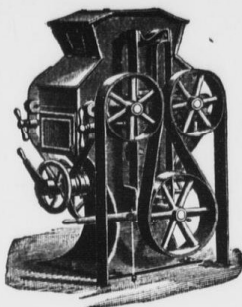
Complete Prospectus sent on request.

SPECIAL OFFER. The numbers for
subscription for 1894, and a sub-
scription for 1894, at \$4.50

The same with back numbers, bound
in cloth, at \$6.00

Sample Copy, 10 cents.

CHARLES SCRIBNER'S SONS.
743 Broadway, New York.



THE KEYSTONE
4 ROLLER WHEAT MILL.

Flour Mills. * Corn Mills. * Hominy Mills.

DON'T

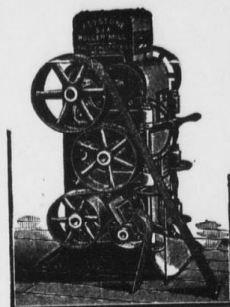
Build a new mill;
Increase your capacity;
Have your rolls reground or recor-
rugated;
Buy even a pulley, a belt, or a piece
of bolting cloth,

• • UNTIL YOU WRITE US. • •

WHY?

Because we will give you first-class
work and prompt attention.
Because we will treat you fairly on
prices.
Because we have the best and most
effective line of machinery.
Because we guarantee satisfaction
in every particular.

AND WE WANT TO HEAR FROM YOU.



THE KEYSTONE
6 ROLLER CORN MILL.

Address, **THE J. B. ALLFREE MFG. CO.,** 12th St. and Michigan Road,
INDIANAPOLIS, IND.

CAWKER'S American Flour Mill and Grain Elevator Directory FOR 1892-1893

Contains: 1. A list of Flour Mills in each State, Territory and Province, with names of owners, P. O. and County; in thousands of instances giving their capacity in barrels per day, kind of power used, etc., also indicating such firms as are supposed to be worth \$10,000 and upwards. Total number of mills given, about 18,000.

2. A list of miscellaneous mills, such as Corn, Oatmeal, etc.

3. A list of Millwrights.

4. A list of Grain Elevator Owners and Grain Dealers.

5. A list of well-rated Flour Brokers, Merchants and Bakers in all parts of the United States and Canada, which has been compiled with extraordinary care, capital and credit being considered in the compilation.

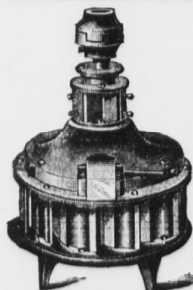
6. A list of Foreign Flour and Grain Importers, secured by our own special correspondents and believed to be thoroughly reliable. In short, it is a complete KEY for reaching the Flour and Grain Trade, enabling ANY department of the trade to reach ANY other desired.

The price is invariably **Ten Dollars per Copy**, on receipt of which it will be sent, post-paid, to any part of the world. The complete work only is sold. We do not supply lists for single states. These Directories have been issued every two years since 1878, and have been declared indispensable by the prominent mill-furnishers, flour brokers, millers, etc., of this country and Europe. Address,

THE UNITED STATES MILLER,

68-C MITCHELL BUILDING,

MILWAUKEE, WIS.



BURNHAM'S

NEW IMPROVED
STANDARD TURBINE.

IT gives on either a Vertical or Horizontal shaft more power for its price, yields a greater percentage for water used, either with full or part gate drawn, and is the simplest, most durable and best finished wheel made. Send for illustrated catalogue and state head of water and power required.

BURNHAM BROS., YORK, PA.

The JOHN H. MCGOWAN CO.

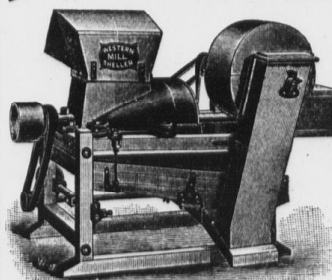
RIVAL STEAM PUMP, TWIN LEVER, 1893, TRIPLEX, DEEP WELL PUMP.

CINCINNATI, OHIO. PRICE LIST ON APPLICATION.

BRANCH HOUSE, 1435 EAST MAIN ST., MILWAUKEE, WIS.

THE "WESTERN" MILL SHELLER.

The Most Compact, Durable, Best Sheller and Best Cleaner.



Takes up but little room.

Runs at low rate of speed.

Requires no attention.

Is noiseless.

It is in every respect the

BEST SHELLER EVER OFFERED TO THE PUBLIC

NOTE.—Will send this Sheller to any responsible party, giving time to test thoroughly, and if not as represented in every respect, will pay freight both ways and all expense of setting.

Yours truly,
A. R. MONTGOMERY, Sec'y.

WRITE FOR FULL PARTICULARS TO

UNION IRON WORKS,
DECATUR, ILL.

Manufacturers of "Western" Shellers, Cleaners, Separators and all kinds of Elevator Machinery

Don't forget to mention this paper when you write.